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Powders: Calcium B-PAS (Wander) 3.5g.

Isoniazid 87.5mg.

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Torbet Lactic Oats	3/6d.	8d.	4/2d.
Torbet Lactic Oats	1/9d.	4d.	2/1d.
Torbet Lactic Oats, in envelopes	4d.	۱d.	5d.
Torbet Lactic Oats, for export only	3/6d.	_	3/6d.
Torbet Lactic Oats, for export only	1/9d.	_	1/9d.
Calsalettes, uncoated	5/7½d.	1/1d.	6/8½d.
Calsalettes, uncoated	1/5d.	3 <u>1</u> d.	1/8½d.
Calsalettes, sugar-coated	5/7½d.	1/1d.	6/8½d.
Calsalettes, sugar-coated	1/5d.	3½d.	1/8½d.
Calsaloids, uncoated, pink	$5/7\frac{1}{2}d$.	1/1d.	$6/8\frac{1}{2}d$.
Calsaloids, uncoated, pink	1/5d.	3½d.	1/8½d.
Calsaloids, sugar-coated, pink	5/7½d.	1/1d.	$6/8\frac{1}{2}d$.
Calsaloids, sugar-coated, pink	1/5d.	3½d.	1/8½d.
Calsalette Granules, sugar-coated	5/7½d.	1/1d.	6/8½d.
Calsalette Granules, sugar-coated	1/5d.	3½d.	1/8½d.
Calsaloid Granules, sugar-coated, pink	5/7½d.	1/1d.	6/8½d.
Calsaloid Granules, sugar-coated, pink	1/5d.	3½d.	1/8½d.
Calsalve Ointment	2/7d.	6d.	3/1d.
Calsalve Ointment	1/1d.	2⅓d.	1/3½d.
Calsa	5/0d.	11½d.	5/11½d.
Torbet Testing Paper, per booklet	4d.	1d	5d.
Torbet Testing Paper, per box of 12	4/0d.	9d.	4/9d.
Torbet Lactic Veterinary Oats	3/6d.	8d.	4/2d.
Torbet Lactic Veterinary Oats	1/9d.	4d.	2/1d.
Torbet Lactic Vet. Oats, in envelopes	4d.	1d.	5d.
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The beauty of a Martin glass display case is that it shows merchandise of every description to your customers' best advantage. Each individual case, with its gleaming chrome fittings, is tested and guaranteed before delivery. Choose a vertical or sloping showcase and build better business from the moment it is installed.

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Gillette

PRICE REDUCTIONS

As a result of the alterations in purchase tax, made in the recent Budget, the prices of all Gillette Blades and other Gillette products as specified have been *reduced*. The following prices to the public are effective for goods despatched from the factory on and after 8th April, 1959:—

	Blue Gillette	Thin Gillette	7 O'clock	Valet
Dispenser 20 Blades	6/6	*	<u>—</u>	-
Dispenser 10 Blades	3/3			
Packet 10 Blades	3/3	2/10	2/5	3/3
Packet 5 Blades	1/7½	1/5	$1/2\frac{1}{2}$	1/7½
Single Blades	4d	3½d	3 d	4d

 Razor Sets
 No. 5 Set 2/- each
 No. 72 Travel Set 13/6 each

 No. 24 Set 4/- each
 Adjustable 92/- each

 No. 68 Set 7/6 each

Shaving Gream (Lather and Brushless)

Large 2/5 per tube Giant 3/8 per tube

Shaving Brushes

Gillette Standard .. 5/6 each
Gillette Large 7/6 each
Gillette Extra Large 9/3 each

Valet No. 470 6/– each
Valet No. 471 8/3 each

Valet 'C' Strop...3/5 each

GILLETTE SURGICAL BLADES AND HANDLES—prices unchanged.

*All prices include purchase tax at new rate.

For trade terms and resale price conditions see current price lists.

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INTRODUCE TWO WONDERFUL NEW PRODUCTS AVAILABLE
ONLY IN THE LONDON I.T.V. AREA



(SEE BELOW)

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SEE BELOW

Superbly packaged lotions offer complete skin beauty treatment at popular prices

WHY WOMEN WILL BUY THESE NEW HINDS LOTIONS

BECAUSE: they offer precisely what most women want-luxury skin

treatment at prices they can afford!

BECAUSE: they have been superbly packaged for maximum eye-appeal,

maximum selling-appeal.

BECAUSE: they have been specially formulated to do all that lotions

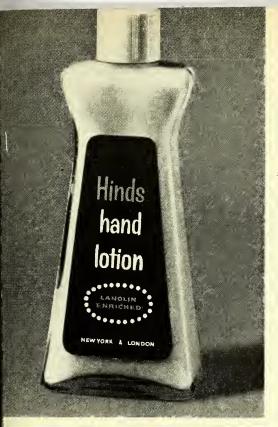
costing two, three, four times as much do.

SPECIAL BONUS OFFER

Until May 18th, you can obtain these Hinds Lotions at a special 12-for-the-price-of-11 discount. *Contact your wholesaler now*—or write direct to Hinds Products, 565 Kingston Road, London, S.W.20. Or telephone LIBerty 2233.

BIG ADVERTISING SUPPORT

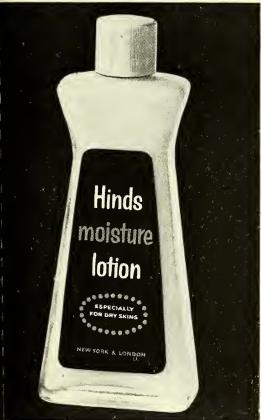
Both these new Hinds products will be backed by BIG TELEVISION promotions, in the area covered by the London I.T.A. transmitter, starting 19th May. There's no quicker, surer, better way of getting your women customers interested.



New Improved Hinds Hand Lotion

- Now enriched with emulsified lanolin
- * Nourishes and whitens hands
- ★ Softens and protects cuticles
- Absorbed instantly—no greasiness or stickiness
- ★ New delicate fragrance
- Gives immediate soothing, softness

NETT PRICE 11d. RETAIL 1/10d. (INCL. P.T.)



New! Hinds Moisture Lotion

- The first low-priced MOISTURE LOTION—within the reach of every woman
- Remedies dry skin by retaining natural moisture
- Replaces lost moisture by drawing moisture from the air and holding it against the skin
- Non-oily, non-greasy—ideal as a foundation, too
- Contains: Lanolin for replacing lost oils, Vitamins for revitalising the skin and Sorbitol—the new moisturising agent—to retain and replace lost moisture.

NETT PRICE 1/61d. RETAIL 3/1



... and there's no quicker, surer way of getting your cash register ringing than displaying Hinds New Lotions where they can see them.





NEW MONEY-SPINNER FOR YOU!

Cleen Kat

TRADE MARK

— first really efficient cat-litter offers millions of pet owners this double advantage:

HOUSE TRAINS ALL CATS & KITTENS!

STOPS ALL SMELLS!

Kleen Kat is a new, carefully planned cat-litter—the ideal substance for use in cats' boxes. It is based on Vermiculite, the light, clean wonder material, which is impregnated with patented essences. Kleen Kat is the complete answer to all cats' hygiene problems—because it actually attracts them to their boxes. Already thousands of bags are sold every week.

Each bag, attractively designed in blue-green, lasts about a fortnight—it becomes a regular purchase. Selling price is 2/4d; cost to the retailer is 1/8d; wholesale price on application.

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You will be sent one dozen bags of Kleen Kat free with every gross you order before May 10th, 1959. Kleen Kat is already a tremendous repeat success—cash in on this offer now!

Order from your wholesaler or direct from

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the ILFORD

low-price camera will sell by the thousand

The appealing design of the new ILFORD Sporti and its practical features will make it a seller at sight.

Sporti takes 12 exposures (2\frac{1}{4} in. square) on 120 size roll film, and here is the specification:

Lens in focusing mount (5 ft. to infinity) with marked scale

2-position aperture control

Modern press-button shutter release

Eye-level viewfinder

Flash-synchronised shutter

Accessory mounting shoe

Remember that for handiness, contemporary styling, and refinements that do not complicate the job of taking pictures—you won't find a camera to compare with the new ILFORD Sporti at the price.



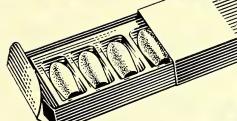
Retail £3. 17. 7

Ever-ready case to retail at £1.1.10

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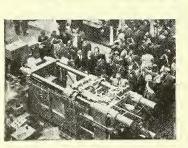


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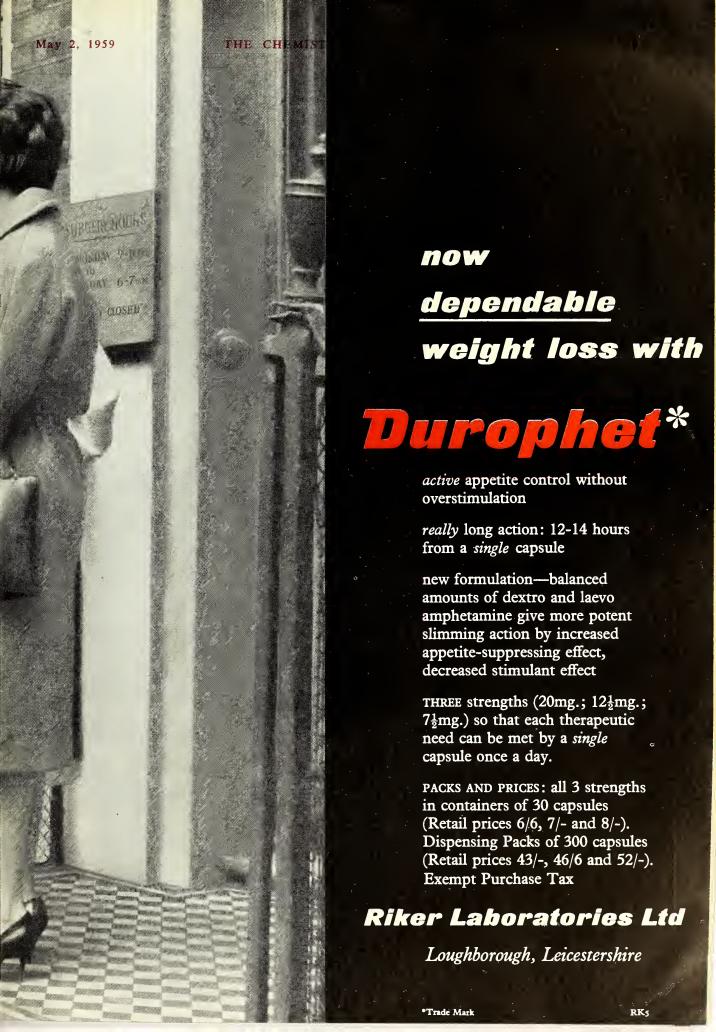
there is no condition which any degree of obesity is advisable

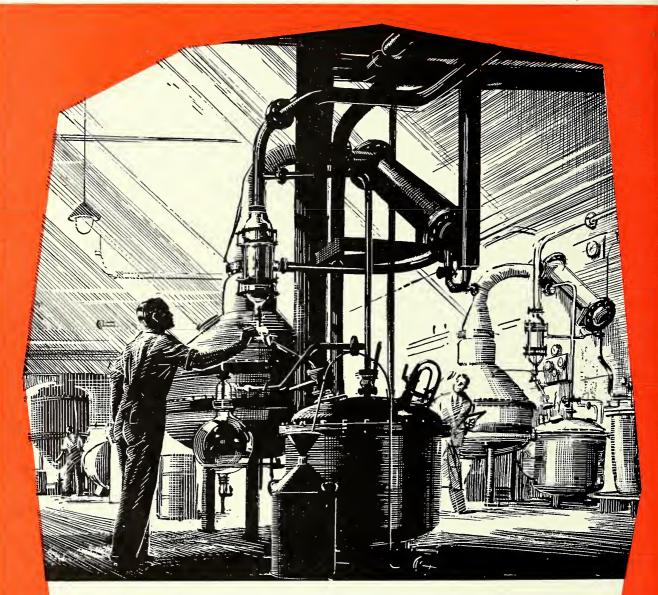


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ractit., (1959) 189, 226.





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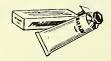
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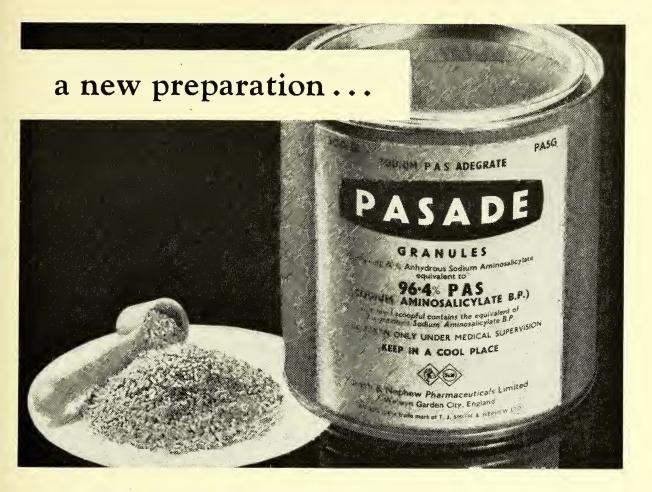
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- Tubercle, 1956, 37, 333 Lancet, 1957, 2, 871 Tubercle, 1958, 39, 138

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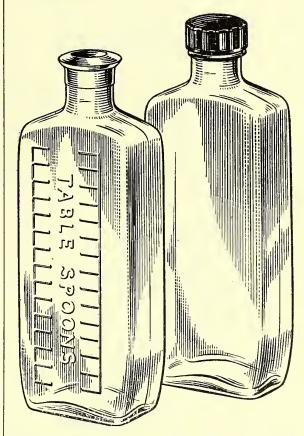
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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 171

May 2, 1959

No. 4132

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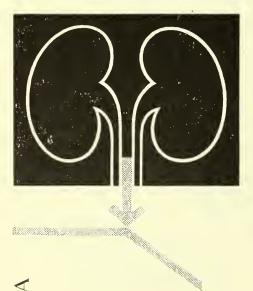
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Volume 171

MAY 2, 1959

No. 4132

Group Hospital Pharmacists

RECOMMENDATIONS FROM MINISTRY

THE Minister of Health in a memorandum to Regional Hospital Boards, Hospital Management Committees and Boards of Governors, recommends the appointment of group hospital pharmacists.

The duties of the group pharmacist, in addition to those which would fall to him as chief pharmacist of his own hospital, should include:—

(a) responsibility to the Hospital Management Committee for the pharmaceutical service in the group, with authority to allocate pharmaceut cal work between hospitals;

(b) advice on policy, e.g. in regard to manufacturing, centralised storage, etc.;

(c) building up an appropriate and balanced staff of pharmacists, assistants-in-dispensing and others;

(d) transfer of work within the Group as needed:

(e) co-ordination of pharmaceutical supplies, in consultation with the Supplies Officer,

In performing those duties the group pharmacist will naturally consult his colleagues and should have special regard to the position of other chief

pharmacists in the Group.

The Whitley Council is to consider what would be the appropriate allowance for group pharmacists. The Minister considers that often pharmaceutical skill is not being economically used and suggests that this problem should be given early attention by the group pharmacist. The aim should be to ensure that as far as practicable each section of the work is under the supervision of a pharmacist and that any work appropriate to assistants-in-dispensing or to students is in fact performed by them.

Recommendations are also made concerning pre-graduate students and the appointment of a Pharmaceutical Advisory Committee in each Regional Hospital Board.

If a group pharmacist is not appointed, the Minister considers it is desirable that consultative machinery should be established by which the chief pharmacists of the hospitals in a group may meet to discuss the pharma-

ceutical arrangements.

Therapeutic Substances

MORE PRODUCTS CONTROLLED

CYCLOSERINE and its salts are being brought within Part II of the Therapeutic Substances Act 1956 with effect from May 11. The control on cortisone, hydrocortisone, prednisone and prednisolone is also being extended to include "halogen substituents." Esters of oleandomycin are also brought under control. The new regulations define the controlled preparations as: Cycloserine

and salts thereof; all derivatives of cortisone, hydrocortisone, prednisone and prednisolone respectively with hydroxyl or alkyl groups or halogens as substituents and the esters and salts of esters of such derivatives (which entry now brings in dexamethasone (Decadren, Dexa Cortisyl), fludrocortisone (Fludrocortone, Alflorone, Florineff), triamcinolone (Aristocort, Ledercort), and methyl prednisolone); esters of oleandomycin and salts of such esters (triacetyl oleandomycin, Evramycin). Part II of the Act rc-enacts the provisions of the Penicillin Act 1947, as amended, and controls the sale and supply of the substances to which the part applies. The new regulations are The Therapeutic Substances (Control of Sale and Supply) Regulations 1959. (S.I., 1959, No. 732, H.M. Stationery Office, threepence.)

Cattle Hormone Warning

MINISTRY'S IMPLANTATION ADVICE

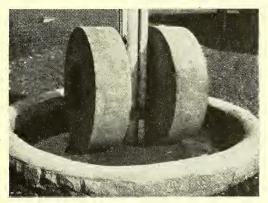
FOLLOWING investigations by the Agricultural Research Council into the effects and uses of synthetic estrogens the Ministry of Agriculture stated on April 28 that: "There is no apparent

risk of damage to the animals when the drugs are used on beasts intended for slaughter in the dosages recommended by the manufacturers. When animals change hands it is always possible, however, that they may be treated more than once, and overdosing might lead to some undesirable side effects and possibly render the meat less attractive, although not dangerous to the consu-Since œstrogens in certain circumstances caused sterility the use of those substances on animals not intended for slaughter was to be avoided, the announcement added. The hormones could have a serious toxic effect on man when small amounts were swallowed or even inhaled and attention was drawn to the dangers of home mixing of those materials with other feeding stuffs on the farm. A warning was also given as to storage and, in particular, to keep the substances well away from children.

Extensions at Chelsea

OFFICIAL OPENING BY LORD ADRIAN

NEW north-wing and west-wing extensions to Chelsea College of Science and Technology were formally declared open by Lord Adrian (vice-chancellor of the University of Cambridge) on April 28. The extensions comprise the largest single addition to the College since the original building was opened in 1895. They form a four-story block running roughly from east to west and facing north, and a two-story addition facing the courtyard of the College. The total addition to the floor area of the College (formerly 95,476 sq. ft.) is





VENERABLE AND ANCIENT: At left, Edge-runner mill removed from the now closed pharmaceutical laboratories at Fleet Street, Liverpool, of Evans Medical Supplies, Ltd., Speke, Liverpool, 24. When dismantled, the shafting of the runners was found to be of cast-iron, and it is known that wrought iron was introduced for such purposes over a century ago. It is thought, therefore, that the mills must be over 100 years old and that they may well be the original ntill-stones installed in the laboratories when manufacturing was started in Liverpool in 1846.—At right, Mediæval water pitcher discovered during excavation work being carried out for the extension of the Gold Street, Northampton, branch of Boots, Ltd. The pitcher was formally handed over by the company to Northampton Museum on April 24.

17.913 sq. ft. The new building is being occupied by the school of art and departments of chemistry, mathematics, and physics. A students' common-room is included. The extensions release space for enlargement and reorganisation of other departments, notably the pharmacy department, now the largest in the College. Cost of the new buildings and their equipment was about £159,000. In his address. Lord Adrian said that the College had recently become a College of Advanced Technology, "but has always been so." Technology in Britain had "got out of breath trying to keep pace with " advancing science, and the extensions would help in giving much needed acceleration. As a biologist himself he thought Chelsea was wise in choosing biology as its main field.

Statutory Committee

RESERVED DECISION TO BE ANNOUNCED

THE Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.1, at 2.30 p.m., on May 6:—

1. To announce the reserved decision in the inquiry held on March 10, concerning complaints by the Council of the Pharmaceutical Society regarding the advertising of dispensing services to the public by two corporate bodies.

2. To consider reports from which it appears that a member of the Society has been convicted of: (a) offences under the Road Traffic Act and Road Transport Lighting Act; and (b) an offence under the Firearms Act, 1937, and on charges of assault and breach of the peace.

Chiropody Service

LOCAL AUTHORITIES TO MAKE PLANS

THE Minister of Health has now written to local health authorities asking for their proposals for the establishment or extension of existing local arrangements for a chiropody service under the National Health Scrvice. In the early stages the Minister suggests that priority should be given to the elderly, the physically handicapped and expectant mothers. He hopes that existing buildings such as clinics will be used whenever possible. Reasonable charges may be made, having regard to the means of those availing themselves of the service. It has been estimated that on a national basis the cost of the chiropody service may rise to between £1 and £2 millions over a period of the next few years. Local health authorities are reminded that only chiropodists with approved qualifications may be employed.

SCOTTISH NEWS

Price List for Doctors

REVISED EDITION ISSUED

THE Department of Health for Scotland has issued a revised edition of the booklet "Costs of Some Commonly Prescribed Drugs." The first edition was published in February 1954 (see C. & D., March 6, 1954, p. 226), and was followed by a revised edition in February 1955 (see C. & D., February

19, 1955, p. 195). In the section on proprietary drugs there are 211 proprietaries listed compared with 124 in the previous revised edition set against named "official" equivalents. Of those thirteen (compared with twenty-one) are cheaper and sixty-one (twenty-one) the same price as their equivalents. There are thirty-two official preparations listed as being available only as the proprietary product at present.

IRISH NEWS

THE NORTH

Entry into Pharmacy

SENATE REJECTS BID TO ANNUL RULES

A BID to have annulled regulations made by the Council of the Pharma-ceutical Society of Northern Ireland in March failed in the Ulster Senate on April 21. The motion, proposed by Senator J. G. Lennon, referred to the non-recognition, for purposes of entrance to the pharmaceutical profession, of examinations of Trinity College, Dublin, and the National University of Ireland. It was defeated by seventeen votes to four. Mr. Lennon thought it would have been possible for the Council, in laying down educational requirements, at least to have provided that certain Irish universities might have been recognised. "This is a case where we should get rid of little local prejudices," he said. "Bear in mind that whether we are in the six or the twentysix counties we are all Irishmen." He found that universities such as Bristol, Durham, and London were recognised, while Trinity and the National University, which were centuries older and had an international reputation, were excluded. The Leader of the Senate (Colonel A. R. G. Gordon) replied that the regulations were made by the Council mainly because of the alteration in the rules governing the award of the Northern Ireland Senior certificate. In making the regulations as presented to Parliament, the Council had

in mind the agreement with the Pharmaceutical Society of Great Britain for the recognition of each other's qualifications for the purpose of registration as chemists. As a corollary the North-ern Ireland Society had always en-deavoured to maintain, at each stage of a student's training, a standard equivalent to that in Great Britain. In framing the regulations, the Council had considered the requirements for registration as a student laid down by the Pharmaceutical Society of Great Britain, and had set a similar standard in Ulster. There was no reciprocity agreement with Eire and so the ques-There was no reciprocity tion of the recognition of examinations there did not arise in the same way. The matriculation examinations of the National University and of Trinity College had not been recognised by the Society since 1949. Colonel Gordon added that the Pharmaceutical Society of Ireland recognised the matriculation of the National University but not that of Trinity College.

THE REPUBLIC

Examination Results

SUCCESSFUL CANDIDATES

IN the Licence examination Part I (April 1959) of the Pharmaceutical Society of Ireland, James Anthony Kennedy, Patrick O'Leary and Joseph Bernard Murphy were successful. Successful candidates in Part II were Joseph C. Nolan, Thomas Joseph Leahy, Margaret McSweeney, James Brendan Byrne, Mary Margaret Gibbons, Terence Cosgrove and Susan Gertrude Gannon. The following were successful in the Second Professional examination (April 1959): John J. Corcoran, Margaret Shea, Julia Walsh, Ursula McGoldrick, Desmond V. Marron, Denis O'Connell, Tadgh Macgiolla Riogh, Owen Deneny, Carmel Kirrane, John Moran, Margaret Banks, Claire Ryan, William P. Murray, Philip Brady, Martina Quinn, Joan McEntegart, Bridget B. Fallon and Deirdre Banin.

RESEARCH ON DISTILLATION

Universities to co-operate with trade associations

WHEN the Association of British Chemical Manufacturers and British Chemical Plant Manufacturers' Association jointly formed an advisory service for the purpose, among other things, of filling gaps in chemical engineering knowledge, they found upon inquiry that distillation was the subject members wanted investigated first.

An expert panel was recruited from the staffs of the member firms of the two associations and by May 1958 the panel's report (just released to the Press), was completed and submitted to their councils, which agreed to become responsible for financing the six research projects the panel recommended.

Representatives of the associations met the heads of eight of the ten invited university schools of chemical engineering to discuss how the proposed research could be undertaken. Six research contracts, extending over a period of three years, were negotiated with the universities of Birmingham, London (Imperial College and Batter-

sea), Manchester and Swansea, the cost, totalling £10,000 a year, to be met jointly by the two trade associations. The universities have freedom of action and are publishing their results so that all may benefit. In some cases the university research workers have been given access to large-scale plant units to enable them to collect data that can only be obtained from such equipment.

In addition to fostering that closer link between the universities and the two industries, the two association research committees and the distillation panel have taken the initiative in collaborating with the Institution of Chemical Engineers in organising an International Symposium on Distillation to be held in Brighton in May 1960.

A second panel has been at work in the field of liquid/solid separation filtration, and other panels (possibly on drying and ion-exchange) are to follow so soon as a genuine need for basic knowledge in those other fields has been established.

NEWS IN BRIEF

BUILTH Chamber of Trade is circulating a questionnaire to traders asking for their views on whether early closing day in the town should be changed from Wednesday to Thursday.

In future a red dragon on a green and white flag, and not, as hitherto, a flag carrying the augmented royal badge, is being flown on Government buildings in Wales as the flag of Wales.

A FURTHER consignment of American Salk poliomyelitis vaccine arrived in London on April 28 and was immediately flown to Speke for storage and subsequent distribution by Evans Medical Supplies, Ltd.

INCREASED fees, possibly substantial, for verification of weights and measures are envisaged in a new scale being worked out by the Board of Trade following an official committee recommendation that fees should "broadly" cover the costs involved.

Work has begun in Station Street, Nottingham, on the erection of an f800,000 six-story office block for Boots Pure Drug Co., Ltd. The first block, scheduled for completion in 1961, will allow for a 30 per cent. expansion in the company's office accommodation.

MR. John Boyd-Carpenter, Minister of Pensions and National Insurance, has asked the National Insurance Advisory Committee (chairman, Sir Ifor Evans) to review the rules under which certificates are given by doctors and midwives under the National Insurance Scheme.

In the four weeks ended February 28, 160 representative Co-operative Societies showed percentage increases in pharmacy and associated sales of 8:28 in the Midlands, 8:24 in the North, 7:25 in the North-east, 5:47 in the South, 12:87 in the South-west and 10:62 in the West—an average of 8:07 per cent. for Britain as a whole.

SPORT

Golf.—Manchester and District Pharmaceutical Golfing Society. First meeting of season on April 15, 1959, at Shaw Hill Golf Club, Chorley. Messrs. K. Phillips and Walsh tied with Mr. Webb, 74 nett.

IRISH BREVITIES

CANDIDATES wishing to enter for Pharmaceutical Society of Northern Ireland examinations in June must submit applications to the secretary, 73 University Street, Belfast, not later than May 10.

LOCAL OFFICERS

PHARMACEUTICAL COMMITTEES

Middlesex. — Chairmau, Mr. F. H. Mylrol; Vice-chairman, Mr. B. Boasten; Secretary, Mr. J. Anderson Stewart, 6 Southampton Place, London, W.C.1; Hours-of-service Committee: Messrs, A. R. Cross, B. Boasten and H. G. Moss; Pharmaceutical Service Committee: Messrs, G. D. M. Lavin, T. J. Mapstone and R. H. Rowson.

ASSOCIATIONS

Hull Chemists' (and Branch). — Chairman, J. E. Hindle; Senior Vice-chairman, F. S. Howe; Junior Vice-chairman, G. A. Merkin; Treasurer, C. A. Hewitt; Minute Secretary, M. E. M. Wright; Secretary, A. McDonald, c/o 67 Porter Street, Hull.

TOPICAL REFLECTIONS

By Xrayser

To the Hustings

Pharmacy, so far as elections are concerned, is spared speculation about the date of "going to the country." No question of feeling the public pulse, or consulting the political barometer, or watching the temperature at by-elections, is allowed to interfere with the date of the election of the Council of the Pharmaceutical Society. Physiological or meteorological phenomena are of no account. With the retiral from the strife of one member of Council, we are faced with the certainty of one new voice at the Council table, assuming that the six who offer themselves for re-election meet with the approval of the electorate. That may, perhaps, be rather a large assumption. It would not be safe to assume that the policy and the decisions of the Council as at present constituted meet with the unanimous approbation of that section of the electorate which will make use of its right to vote. Indeed, evidence of disquiet exists throughout the country, and those seeking re-election may have to reckon with the pharmaceutical "floating voter" who only exercises his vote when he feels strongly on general grounds. In your editorial on p. 453, you refer to the policy of collective responsibility, and to the extremely uninformative reports of Council meetings. Loyalty to the majority vote, which is fundamental to democracy, is understandable and, indeed, admirable, provided we know how a decision is arrived at. But we are not so informed. As it is, those seeking a vote of confidence start with an advantage, if the Council's past record is acceptable. But if the collective responsibility is for decisions not to the liking of the electorate, that conspiracy of silence could recoil on the heads of those seeking a further term. That being so, it is not impossible that the electorate may demonstrate its feelings by returning four new voices. It is unlikely, but electorates have done more unlikely things. The challengers reveal evidence of active service in other fields-some more than others-and such experience, added to a fresh outlook, is worthy of consideration.

Investigation and Report

As you remark in your editorial comment (p. 453) it will be illuminating to compare the reports of the committees which have been examining prescribing costs north and south of the border. The report of the Scottish Committee lays stress on the education of the doctor in the matter of costs, and since the whole question of costs lies in the doctor's pen, it is perhaps understandable that the majority of the committee should have been doctors. I note that, in a paragraph dealing with prescription charges, the committee considered the possibility of increasing the charges as a means of securing economy. Such an increase would, they say, "strengthen the deterrent against patients troubling their doctor needlessly, and in so far as it would relieve the pressure on the doctor's time, it would be welcome." Hardly a day passes without a customer complaining that the doctor's waiting room is full of people who have nothing wrong with them. The person who complains is invariably the only one there who really requires the doctor. All the others are frauds.

Other Considerations

"On the other hand," continues the report, "we have had the view expressed by doctors practising in poorer areas that an increase in the charges would lead to too great a deterrent in the case of families in poor circumstances. On balance we feel that while it is important to try to reduce the pressure on doctors' time, this should not be attempted by increasing prescription charges." Occasionally a correct decision is reached for the wrong reason, and one feels that too much stress has been laid on the reduction of pressure on the doctor's time—a question not closely related to the cost of drugs—and too little on the factor, mentioned as an expressed view, that an increase would bear hardly on those in poorer circumstances.

TRADE NOTES

A New Strength.—The British Drug Houses, Ltd., Graham Street, London. N.1, are making available their Cobadex ointment in a new strength, 0.5 per cent., in tube of 10 gm.

Dry-battery Wall Chart.—The Ever Ready Co. (G.B.), Ltd., Hercules Place. London, N.7, have released to the trade an up-to-date dry-battery wall chart measuring 26³/₄ x 14 in. and giving details of all Ever Ready batteries.

Handbag-size Perfumes. — The daytime perfumes Lightheart and Bal des Fleurs of J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.I, are now available in small bottles for the hand-

Change of Distributor. — Q-tips are now being marketed by Papersticks, Ltd., 41 North Road, Southend-on-Sea, Essex, and not as recently indicated. Q-tips are currently the subject of a bonus-terms offer, the details of which were given last week.

Carriage-paid Terms.—Owing to increasing costs of carriage and postal charges, Moore Medicinal Products. Ltd., Waverley House, Aberdeen, are now making a charge for carriage against orders below the trade price of £3 excluding purchase tax.

Improved and Restyled.—Jeycs-Ibco Sales, Ltd., River Road, Barking, Essex. have introduced a new Jeypine disinfectant-antiseptic, presented in a restyled bottle with a modern and attractive label. Additional ingredients make new Jeypine effective, it is claimed. against a wide range of germs.

SHOPFITTING

A New Adhesive Material.—Panostic adhesive material is claimed by the manufacturers (Panostic Display, Ltd., Camp Bird House, 39 Dover Street, London, W.1) to be ideal for fixing showcards, delicate instruments, glass, etc., to enamelled and other surfaces for display. Panostic consists of a layer of foam plastic with a pressure-sensitive adhesive on both sides. A protective cover is removed to reveal the adhesive surface when affixing.

Lateral Filing.—Peter Williams (Office Equipment), Ltd., 18 Charter-house Square, London, E.C.1, claim that their Visilink lateral filing gives three times the filing capacity in the same space as that occupied by conventional filing cabinets; provides a system that is simple to operate yet efficient; and that it is less costly to install and operate than the conventional filing cabinet. The company is pre-pared to give private demonstrations of the system.

Display Units.—Liddle, Keen & Co., Ltd., Norland Yard, London, W.11, draw attention to their Norland model "CC" chemist's oak counter, which comprises a display section (facing the customer) with drawers at the back. The display section is fitted with two rows of adjustable glass shelves enclosed by a pair of rimless glass sliding doors. The interior is oak polished. It is 6 ft. long x 3 ft. 3 in, high x 18 in, deep (tapering to 15 in, at top). In the back product has a pleasant "tangy" pine-oil odour that lingers.

An Additional Strength.—CIBA Laboratories, Ltd., Horsham, Sussex, are making available on May 4 a 50-mgm. tablet of Esidrex in containers of twenty-five, 100 and 500. Where no strength is specified, pharmacists should dispense the 25-mgm. tablet.

Improved Pack. — Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, 7. are now issuing their Imperial Leather soap in "an exciting new envelope pack" in the scarlet, gold, black and cream colours of the earlier pack, and with the soap tablet in the exclusive shape, but enabling the soaps to be stacked and displayed to better advantage.

Systemic Insecticide for Amateurs.-Described as the only no-spray systemic insecticide available to the amateur gardener, Tritox, manufactured by Associated Fumigators, Ltd., 112 Victoria Dock Road, London, E.16, is claimed to make greenfly and other insects kill themselves. It is available in bottles of four sizes and is for nonedible plants only.

Distribution Service to Continue. Following the acquisition of Neville Brown & Co., Ltd., 77 Newman Street. London, W.I, by the R. B. Pullin group of companies (see p. 472), it is intended that Neville Brown & Co... Ltd., will continue to operate as a separate entity, distributing to the trade Aldis projectors, Ferrania films, Carl Braun Paxette cameras, Bauer cine

AND DISPLAY

are twenty-five drawers (each 5 in. high x 5 in. wide) and three large stock drawers. A catalogue of the complete Norland range is available from Messrs. Liddle, Keen.

A New Method of Display Construction. — A new method of producing rigid display cards without the conventional forms of mounting and strutting has been introduced in Britain by Leon Goodman Displays, Ltd., 119 Whitfield Street, London, W.I. The new process is called Eye Beam. The display units are produced either in silk screen. letterpress or litho on stout paper, and are supported by a narrow strut of board which holds the paper erect for display. Among advantages claimed for the new method (which has already been successfully applied in the United States and in France and for which Messrs. Leon Goodman hold the British rights) are that cardboard mounting is eliminated, allowing large-scale displays to be provided for little more than the cost of a window bill; packaging and distribution techniques are "revolutionised" and single unit displays may be dispatched convenientlyrolled into inexpensive mailing cartons; Eye-Beam material delivered in bulk can be delivered in a package, saving up to 90 per cent. of the space usually required for bulk consignments; and that window-dressers find the displays quicker to erect and convenient to arrange in display building.

cameras, Nebro accessories and the many other products well known to photographers. The present executive management is to continue.

Bonus Offers

MOORE MEDICINAL PRODUCTS, LTD., Waverley House, Aberdeen. All products of the company except the Bon-Accord electric inhaler. 5 per cent. extra on order value £3; 10 per cent. on order value £5; 12½ per cent. on order value £7 10s.

BIOMETICA, LTD., Elstrec Way. Bore-ham Wood, Herts. Biometica antiseptic cream. Twelve charged as eleven on opening order.

Calls for Tenders

THE Board of Trade has issued details concerning tenders sought by various overseas bodies, and an outline is given below of the requirements and closing dates. For fuller information readers should apply, quoting re-ference, to Export Services Branch. Lacon House, Theobalds Road, London, W.C.1.

Pharmaceuticals, 44 items. Belgian Ministry of National Defence (E.S.B. 8143/59. April 30).

Chemicals and biological supplies, 349 items. The Secretary, Union Tender Board, 291 Bosman Street, P.O. Box 371, Pretoria (E.S.B. 7957/59, April 30).

291 Bosman Street, P.O. Box 371, Pretoria (E.S.B. 7957/59. April 30).

Syringes and needles. Ministère de la Défense Nationale, Service Général des Approvisionnements des Forces Armées, Direction Générale des Achats Divers. Service d'Achat des Produits Chimiques et Pharmaceutiques. Quartier Prince Baudouin, Place Dailly, Bruxelles (E.S.B. 9217/59. May 14).

Drugs. The Secretary, Central Tender Board. P.O. Box 30071, Nairobi (E.S.B. 9067/59. April 30).

Bandages and dressings (estimated value: B.Frs. 13·5 millions), Ministry of Belgian Congo and Ruanda Urundi, Brussels (E.S.B. 9222/59, May 14).

Arsenical dip, Ministry of the Belgian Congo and Ruanda Urundi, Brussels (E.S.B. 9223/59. May 25).

Pharmaceutical preparations. The Chairman, Tender Board, Ministry of Health, F.O. Box No. 500, First Floor, Galle Face Secretariat, Colombo, Ceylon (E.S.B. 8364/59), June 16). Also crepe, adhesive and elastic bandages (E.S.B. 8363/59, June 2).

June 2).

Exhibitions and Fairs

SELF-SERVICE AND SHOP EQUIPMENT EXHIBITION, Olympia, London, W.14, May 11-15.

National Education and Careers Exhibition, Olympia. London, W.14. May 26 to June 5.

INTERNATIONAL PLASTICS EXHIBITION AND CONVENTION, Olympia, London, W.14, June 17-27. In order to keep abreast of a continuing demand for space in the exhibition, the organisers have decided to extend the machinery section into the Empire hall. That increases the total occupied area to over 270,000 square feet. Fully international for the first time since its inception in 1951, the exhibition is to contain examples of plastics materials, machinery and finished products from fifteen countries. Attendance is expected to exceed 90,000. There are over 270 exhibi-

NEW PRODUCTS AND PACKS

Dexamethasone Tablets. — Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2, announce the introduction of Oradexon tablets, each containing dexamethasone, 0.5 mgm.

Launching Next Week.—CIBA Laboratories, Ltd., Horsham, Sussex, announce the availability, as from next week, of a new speciality Millicorten (dexamethasone). Millicorten is marketed in containers of twenty-five, 100 and 500 0.5-mgm. and 1-mgm. tablets.

In Highly Soluble Form. — Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex, announce the availability of Chloromycetin (chloramphenicol) succinate, a highly soluble form of the broad-spectrum antibiotic easily prepared into solutions for intravenous, intramuscular or subcutaneous injection. Chloromycetin succinate may also be administered as a nebulised solution. It is available in rubbercapped vial containing the equivalent of 1 gm. of Chloromycetin.

Oral Treatment of Glaucoma. — Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, have made available a new agent, Daranide (dichlorphenamide) for the oral treatment of glaucoma. Daranide is described as a new and potent carbonic anhydrase inhibitor which is effective by mouth. Because of its marked inhibitory effect on that enzyme in the eye, Daranide is of value in reducing increased intra-ocular pressure in many types of glaucoma. It is presented in bottle of 100 50-mgm. tablets. The usual adult dose range is from one-half to one tablet once to three or four times daily. Dosage must be adjusted to the individual patient.

Anti-fungal Application. — Wynlit Laboratories, Ltd., London, W.I, are distributing through Savory & Moore, Ltd., 60 Welbeck Street, London, W.I, a new medical speciality, DermaPhytex,

containing borotannic complex, 10.92 per cent., in ethyl acetate and alcohol. The product is intended for the treatment of general fungous conditions caused by such micro-organisms as epidermophyton, trichophyton and microsporum (i.e., the tineas cruris, pedia, barbæ, and corporis; pityriasis versicolor; and crythrasma). DcrmaPhytex is applied to the infected area twice daily. It leaves a colourless film on the skin and no additional protective dressing is required. It is issued in a brush bottle containing 15 mils.

Sulphated Polysaccharide. — Evans Medical Supplies, Ltd., Speke, Liverpool, 24, announce the availability, for wider experimental and clinical investigation, of Ebimar, a purified stabilised and non-toxic sulphated polysaccharide derived from seaweed. Both on theoretical grounds and on experimental evidence, Ebimar is considered to re-present "a potential major therapeutic advance in the prevention and treat-ment of peptic ulcer." Wider clinical observation is sought to supplement large-scale comparative trials that have been in progress at two centres for several months. Because medical treatment of peptic ulcer has hitherto consisted largely in the administration of antacids, Messrs. Evans have considered it desirable, pending clinical findings, to make the product available both alone and in combination with an antacid. It is therefore presented as Ebimar tablets each containing 0.5 gm. (not less than 1,000 Evans units of antipeptic activity) in containers of 100 and 500, and as Ebimar-Al tablets each containing 0.5 gm. of Ebimar (representing not less than 1,000 Evans units) with dried aluminium hydroxide gel, B.P., 0.35 gm., in containers of fifty and 250 tablets.

An Antiseptic Cream. — Biometica, Ltd., Elstree Way, Boreham Wood, Herts, have introduced a new speciality, Biometica antiseptic cream, in maroon and white tube. The product is exempt from purchase tax.

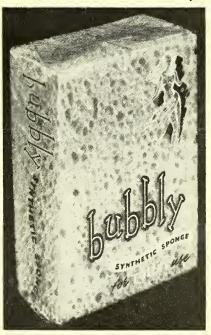
"Push-button" Tooth-paste. — D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1, have introduced a pressurised pack for S.R. tooth-paste. The pack is in the red, white and bluc S.R. colours.

Plastic Toilet Sponge.—The plastic sponge division of Sponcel, Ltd., 40 Chancery Lane, London, W.C.2, are marketing a new toilet sponge made of strong foam plastic. The sponge, the Bubbly, produced to cater for a low price market, is claimed to wear well, to be able to be wrung out and boiled clean, and to be soft in use. It is available in pink, blue green and yellow, individually wrapped in transparent tissue. It is being distributed through wholesalers. Special quantity discounts are being offered.

Push-button Garden Spray. — A new simplicity in dealing with insect pests in the garden is made possible with the new Cooper's push-button garden spray, a pest-killing fluid in pressurised container. The use of the aerosol technique eliminates the need for expensive spraying equipment, or for mixing stirring, filling and pumping an extemporaneously prepared solution. There is no waste in use, since only the amount required is released, and "the lethal droplets can be directed right on target from a distance of 18 in." The solution is understood to be harmless to anything but the insects. Makers are Cooper, McDougall & Robertson, Ltd., Berkhamsted.

Contraceptive Preparations. — Stayne Laboratories, Ltd., Dundaff House, Wokingham, Berkshire, are making available through retail chemists two new products, Staycept contraceptive jelly in 80-gm. tube, and Staycept contraceptive cream, in 75-gm. tube.







Left to right, Cooper's push-button insecticidal garden spray (Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts); Bubbly synthetic sponge (Spongel, Ltd., London, W.C.2); and Gibbs' S.R. tooth-paste in pressurised pack (D. & W. Gibbs, Ltd., London, W.l).

COMPANY NEWS

Previous year's figures in parentheses

HICKSON & WELCH (HOLD-INGS), LTD. — An interim Ordinary dividend of 4 per cent. is declared.

NEVILLE BROWN & CO., LTD.—With the company now a member of the R. B. Pullin group (see below), Mr. Neville Brown remains a member of the board under the chairmanship of Mr. P. J. Ellis, Mr. F. A. Sandell now becomes managing director.

BRITISH ALKALOIDS, LTD. — A final dividend of 2°8d, per share is proposed, making fourpence per share, for the year ended March 31. The total dividend distributions for the year absorb £27,358 (£23,547). Subject to final audit the profit for the year, after all charges, including taxation, amounted to £41,394 (£32,008). United Kingdom taxation charged £35,100 (£46,550).

NEWTON, CHAMBERS & CO., LTD.—Sir Peter Roberts (chairman) says that 1958 was a difficult year but there are signs that industrial activity is increasing at home while the number of export inquiries is showing a marked improvement. It may be some time before the financial stimulus of the Budget will be reflected in additional work on the shop floor but it is hoped that the gap will be closed towards the end of 1959.

COOPER McDOUGALL & ROB-ERTSON, LTD. — The United Kingdom division made progress during 1958 despite some unfavourable factors states the chairman (Sir W. H. Cooper). In New Zealand and in Colombia the company are erecting factories for local production of many of their products. The Australian company experienced a difficult trading year but business results for 1959 to date are better than might have been expected. For accounts see C. & D., April 25, p. 446.

YARDLEY & CO., LTD.—The reduction in profits, before tax (C. & D., April 11, p. 387), is accounted for by the fact that four of the overseas subsidiaries failed to maintain their profits. The results both in the United States and Canada were disappointing, says Mr. T. L. Gardner (chairman). However, the steps being taken by the United States directors will, believes Mr. Gardner, put the business on a more profitable basis in the future. On the other hand he says it may be some time before the profits of the Canadian company revert to their previous levels.

R. B. PULLIN & CO., LTD.—The group is to raise further capital by way of a two-for-five "rights" issue. A net amount of £218,184 will be raised after providing £386,800 for the purchase of Neville Brown & Co., Ltd., and its associate, Milbo Photographic, Ltd. A second interim of 5 per cent. is to be paid and it is expected that a final of 20 per cent. will be recommended later in the year. The new shares will not rank for the second interim but the whole of the increased capital, including the new shares, will rank for the final.

O. & M. KLEEMANN, LTD.—In addition to a final Ordinary dividend

of $7\frac{1}{2}$ per cent. ($12\frac{1}{2}$ per cent.), a special interim of 10 per cent. for 1959-60 is to be paid which will be ignored when considering the normal dividend in November. In effect shareholders will be receiving 5 per cent. more, in spite of the actual dividend being cut to 20 per cent. from 25 per cent. Group profits rose sharply to £480,610 (from £218,308). Tax requires £168,293 (£84,352) and depreciation £96,376 (£52,571). The comparable year's figures above do not include those of Erinoid, Ltd., which did not become a subsidiary until the end of 1957.

VIROL, LTD.—Dividend 30 per cent. for nine months to December 31, 1958 (same for year) plus distribution of 15 per cent. tax free out of capital profits (nil) and proposed one-for-one free scrip issue which does not necessarily indicate a future increase in dividends, it is stated. Group net profit £117,423 (£134,676) after tax £121,153 (£146,878) and provision for pensions nil (£18,000) and crediting tax adjustments nil (£8,330). Attributable to parent company £110,473 (£124,721) less retained by subsidiary £57,630 (£88,556). Add profit on realisation of investments nil (£4,076) and on sale of freehold £145,121 (nil). Written off goodwill and trade marks nil (£4,000). To investment depreciation nil (£11,000), capital reserve £125,000 (nil) and general reserve £25,000 (nil). Parent carry forward £53,579 (£51,108).

New Companies

P.C. = Private Company; R.O. = Registered Office

CHANDLER & SON, LTD. (P.C.).—Capital £500. To carry on the business of chemists, druggists, etc. Directors: John Chandler, M.P.S., Marion

Chandler and Charles E. Speight, R.O.: 54 Higher Hillgate, Stockport.

DAVIS, CHEMIST (LECHLADE), LTD. (P.C.).—Capital £4,000. To carry on the business of chemists and druggists, etc. Directors: Margaret E, Davis and Bryan P. Croft, M.P.S. R.O.: High Street, Lechlade, Glos.

J. S. McDOWALL (CHEMISTS), LTD. (P.C.).—Capital £1,000. To acquire the business of chemists now carried on at the Oakway Pharmacy, Watling Street, Radlett, Herts, as J. S. McDowall. Directors: John S. Mc-Dowall, M.P.S., and Ian R. McDowall.

H. HEWITT, LTD. (P.C.).—Capital £1,000. To acquire the business of a chemist now carried on by Herbert Hewitt at 23 Acorn Road, Newcastle-on-Tyne. Directors: Herbert Hewitt, M.P.S., and Vera Hewitt. R.O.: 23 Acorn Road, Newcastle-on-Tyne, 2.

Compulsory Winding-up

MALLPAS (PHARMACEUTICALS), LTD.—A petition for the compulsory winding-up of Mallpas (Pharmaceuticals), Ltd., Dover Street, Piccadilly, London, W.1, was adjourned for a fortnight by Mr. Justice Wynn-Parry in the Chancery Division on April 27. For the petitioning creditors, Roche Products, Ltd., Broadwater Road, Welwyn Garden City, Herts, it was stated that they were judgment creditors for £2,182. There was also a supporting creditor for £56. It was understood that a person had expressed interest in acquiring the assets of the company. If an order were made the company would not get anything and they were therefore anxious that other avenues should be explored.

AGRICULTURAL CHEMICALS

A control to be relaxed

THE Ministry of Agriculture, Fisheries and Food has recommended that aqueous formulations containing not more than 1 per cent. of fluoroacetamide need not be included in the Agriculture (Poisonous Substances) Regulations (see C. & D., February 7, p. 156). The Ministry considers that the use of such a formulation should not present a hazard to operators provided they observe the following precautions, which distributors are requested to include on their labels: "Avoid contact with the skin by the concentrate. If the skin is contaminated, wash immediately with soap and water. Wash the hands after use and before eating, drinking or smok-The Ministry state that provided not more than two applications totalling 6 oz. of the active ingredient per acre are made, the last one not less than five weeks before harvesting for Brussels sprouts and four weeks for cabbages and sugar beet crops, the use of fluoroacetamide should not lead to a consumer hazard. There is insufficient evidence on which to base recommendations for the use of fluoroacetamide on other edible crops including cauliflowers. The recommendations are provisional for 1959 only and will be reviewed at the end of the season in the light of fresh residue data. Animals and poultry should be kept away from fluoroacetamide spray and from sprayed areas for at least two weeks. The Agriculture (Poisonous Substances) Regulations at present control all concentrations of fluoroacetamide and therefore in view of the Ministry's latest recommendations relaxations in respect of the aqueous formulations containing not more than 1 per cent. fluoroacetamide can be expected.

Phenylmercury Salicylate Aerosols

The Ministry has also decided that organo-mercury aerosols should continue to be included in the Agriculture (Poisonous Substances) Regulations. There was insufficient evidence on which to base recommendations for the safe use of phenylmercury salicylate aerosols on edible crops except toma-toes grown under glass, when not more than five applications may be made at intervals of not less than seven days. The dosage for each application should not exceed 40 mgm. organically combined mercury per 1,000 cubic feet of glass-house space (e.g., 1 fl. oz. of a formulation containing 0.3 per cent. by weight organically combined mercury per 1,700 cubic feet). Under those conditions the residue should not exceed 0.1 parts per million mercury and should not present a hazard to consu-

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

SIX members had submitted questions concerning supplies of poliomyelitis vaccine to the Minister of Health on April 27. He explained that the vaccine was allocated on the basis of monthly requisitions from local health authorities whose estimated needs were for that month delivered on April 4. A belated rise in response from young people had occurred after that date, of whom only one in twelve had registered for vaccination by the end of February. A considerable number of local health authorities had to ask urgently for supplies. "These requests have all been met. A million extra doses have been distributed. Further large supplies will be issued to meet the needs of May, including a million doses of imported Salk and the vaccine available from British producers." Minister refuted the suggestion that there had been any maldistribution by the Ministry. The original and supplementary requests had been met. " As for any delays in delivering vaccine, these have been very slight and those who have had to wait at all for vaccine ago if they had registered when I asked them.

DR. STROSS asked what proportion of vaccine was imported compared with British vaccines. MR. DEREK WALKER-SMITH said that 26¹/₄ million doses had been distributed of which 101 millions had been British and 16 millions had been imported.

Following a question by SIR ANTHONY HURD, MR. J. B. GODBER (Parliamentary Secretary, Ministry of Agriculture, Fisheries and Food) in a written reply on April 27 stated that the Warble Fly (Dressing of Cattle) Order 1948, had not been as effective as hoped but the Ministry were continuing to give maximum publicity to bring home to farmers the need to dress their cattle against Warble fly.

Weights and Measures

MR. R. W. ELLIOTT, on April 23, asked the President of the Board of Trade what steps he was taking to ascertain the views of retailers on the proposed regulations relating to weights and measures. Mr. J. RODGERS (Parliamentary Secretary, Board of Trade) stated that eighteen organisations representing retailers of food and drink had been consulted.

Restrictive Trade Practices

MR. B. HARRISON, on April 23, asked how many restrictive trading agreements had been dissolved before being called before the Restrictive
Trade Practices Court. Sir David
Eccles (President, Board of Trade) stated that two hundred and five registered agreements had either been abandoned or all registrable restrictions had been removed from them. Registrar had been informed that similar steps were being taken in respect of another 150. Later he said "It amounts to about one-sixth of the agreements on the register.

Poliomyelitis Inoculation Cost

MR. S. P. VIANT, on April 24, asked the Minister of Health what was the cost to individuals or the State of each series of inoculations for poliomyelitis. MR. DEREK WALKER-SMITH said cost to the Exchequer of the vaccine for a series of three inoculations is estimated currently at between 10s. and 12s. The cost to local authorities of arranging for the vaccine to be administered varies according to the arrangements made, and I regret that an estimate is not available. No charge is made to the persons vaccinated.

Salk Vaccine

MR. S. P. VIANT asked the Minister of Health if he was aware that a section of medical opinion held the view that the Salk vaccine did not prevent poliomyelitis, and that contacts with vaccinated persons might acquire paralysis; and, in view of the uncertainty of the position, would he reconsider the whole subject?

MR. DEREK WALKER-SMITH, in a written reply on April 21 stated "Complete unanimity of opinion on a technical subject is very rare; but I am fully satisfied, on expert medical advice, of the value of vaccination in the prevention

of paralytic poliomyelitis."

Welfare Foods

SIR A. HURD, on April 20, asked the Minister of Health what proportion of the children entitled to the welfare issue of milk, orange juice and codliver oil were receiving those benefits now and if he was satisfied that generally there were no serious deficiencies in the use of such protective foods.

MR. R. THOMPSON (Parliamentary Secretary, Ministry of Health): "I regret that separate information is not available for children. Of all who are eligible including expectant mothers, practically everyone receives welfare milk; and in 1958 the orange juice and cod-liver oil issued were estimated to be 39 per cent. and 9 per cent. respectively of the total possible consumption. The Minister is satisfied that generally there are no serious deficiencies resulting from lack of protective foods but the position is being watched." In reply to a further question Mr. Thompson said that the much better standards of food available since the beginning of the scheme nearly twenty years ago had a marked bearing on the subject:

Prescription Charges

Mr. Blenkinsop asked the Minister on April 20 what recent representations he had received from the B.M.A. reaffirming their opposition to prescription charges and urging their abolition on the grounds of economy and the avoidance of hardship and what reply he had sent.

MR. DEREK WALKER-SMITH: A resolution passed in July 1958 by the representative body of the B.M.A. was brought to my attention. I have undertaken to bear the Association's views in mind.

MR. W. W. HAMILTON asked the Secretary of State for Scotland what was the total collected in National Health Service prescription charges in each of the last six years.

MR. JOHN MACLAY (Secretary of State, Scotland) provided the following information in a written reply on April

Financial Year

1953-54	 	£758,053
1954-55	 	£789,411
1955-56	 	£815,711
1956-57	 	£886,441
1957-58	 	£1,145,651
1958-59	 	£1,136,600

LEGAL REPORTS

Nine D.D.A. Offences

AFTER pleading guilty to sixteen charges, Dr. John S. McBeth, The Schoolhouse, Scremerston, Berwick, was fined £80 by the Berwick magi-strates recently. Nine of the charges were concerned with the Dangerous Drugs Act including one of not keeping a register and seven of obtaining drugs by false pretences under the Larceny Act. The prosecution said the doctor had prescribed drugs in the name of his wife's aunt and had used them himself.

The Citizen's Right

LESLIE Martyn, Ltd., 34 Dalston Lane, London, E.8, pleaded guilty at Old Street magistrates' court on April 24 to four summonses alleging the illegal sale of poisons. Imposing fines of £2 in each case, with £5 5s. costs, the magistrate said: "The public is entitled to have the assurance that its prescriptions are being made up by a registered pharmacist. In this case, the obvious pre-cautions were not taken." Prosecuting for the Pharmaceutical Society, Mr. A. C. Castle said that on January 6 an inspector made a routine visit and found an unqualified assistant in charge. On examining the records the inspector ascertained that a number of National Health Service prescriptions had been dispensed, and the assistant frankly admitted that no chemist was there at the material times. The explanation given, which was not doubted at all, was that the chemist normally in charge had to travel some distance to look after his wife, who was seriously ill. He found that impossible and asked for leave of absence. "I should add that there is a tremendous shortage of qualified chemists," continued Mr. Castle. "It is difficult to get a chemist on the spur of the moment. What we complain of is that the unqualified assistant continued dispensing these prescriptions. . . . We say that what they should have done was to stop dispensing. It is the right of the citizen under the National Health Service Acts to have his medicine dispensed by a chemist or under the supervision of one." Defending counsel said that the company had been in business since 1899 without any sort of trouble. The prescriptions should have been sold by a registered pharmacist, but they were not in fact Dangerous Drugs. In two of the cases the dispensing was the counting of tablets. The unqualified assistant had been dispensing for thirty vears under supervision, and was of great experience.

DEATHS

BIRNIE.—At his home in the Wirral on April 25, Mr. James Birnie. A colleague writes: What must be one of the last direct links with the once famous firm of Barron Harveys & Co. has been broken by the death of Mr. Birnie, who will be well remembered by many pharmacists because, as a representative, he made many friends and was much loved and respected by them. It is believed that Mr. Birnie joined Barron Harveys & Co., about 1904. Following the amalgamation which resulted in the formation of The British Drug Houses, Ltd., he continued to represent that company until his retirement at the end of 1946. He is survived by a widow and a son.

EWART. - On April 12, Mr. John Ewart, home sales department, Whiffen & Sons, Ltd. Mr. Ewart joined the company in charge of exports in January 1946. He transferred to Fisons Chemicals (Export), Ltd., in July 1953 and in April 1959 moved to Whiffen's home sales department when the company concentrated its activities at their Loughborough factory.

GRIFFITHS.—Suddenly, on 19, Mr. Rees Lloyd Griffiths, M.P.S., 248 High Street, Porth, Rhondda. Mr. Griffiths was apprenticed to the late D W. Davies of Porth and qualified in 1922. He served in the 1914-18 war in Signals in the Royal Navy and later managed a pharmacy in North Wales. From there he returned and bought the pharmacy at which he had been apprenticed and which he owned until his death. He was a past-chairman of the Pontypridd and Rhondda Branch of the Pharmaceutical Society and treasurer of the local branch of the National Pharmaceutical Union. He was also immediate past-master of the Galen Lodge of Freemasons at Cardiff.

MUNRO. — On April 19, Mrs. Elizabeth Copeland Munro, wife of Mr. William Munro, M.P.S., 38 Queens Terrace, Ayr.

PEEBLES.—The death on April 16 of Mr. William Peebles (which was briefly reported last week, p. 446), has removed one of the best known and affectionately respected pharmacists in Glasgow. Mr. Andrew Officer, Glasgow, writes. As well as running a successful business, he always had time to be one of the small group who work behind the scenes on various committees. He was a loyal supporter of the local branch of the Pharmaceutical Society and served many years on its committee. Almost from its inception he was a member of the committee of the Glasgow Pharmacy Club and was a past-chairman. He served on the Local Pharmaceutical Committee and at the time of his passing he was president of the Scottish Pharmaceutical Federation and represented that body on the Pharmaceutical General Council and Standing Committee (Scotland). He was a regular attender at British Pharmaceutical Conferences and Branch Representatives' meetings. He was one of those persons whom it was always a pleasure to meet, whether it was at a board or committee meeting, on the bowling green or in his lodge.

THORNTON. - On April 25, Mrs. Annie Thornton, wife of Mr. Nathan Thornton, joint founder and joint managing director of Thornton & Ross, Ltd., Linthwaite, Huddersfield, Yorks.

PERSONALITIES

MR. J. T. FOLEY (secretary, Irish Chemists' Golfing Society), has been appointed vice-captain of Clontarf Golf Club.

DR. J. A. L. GORRINGE's appointment with Parke, Davis & Co., Ltd., Hounslow, Middlesex, is that of associate director of the company's clinical investigation department and not as previously announced.

MR. PETER CLIFFORD, who was previously advertising manager for British Schering, Ltd., has joined Grant Advertising, Ltd. Mr. Clifford's earlier appointments were with Pearson Anti-septic Co., Ltd., and Johnson & Johnson (Gt. Britain), Ltd.

MR. WILLIAM BLUNT MUNRO, J.P., M.P.S., Vancouver, South Park Road, Hamilton, Lanarks, has been made a Commander of the Most Venerable Order of the Hospital of St. John of Jerusalem. A member of the Order since 1945, he will be attending an investiture ceremony in St. Gıles' Cathedral, Edinburgh, in June.

MR. J. ANDERSON STEWART, B.Sc., B.L., F.P.S., has been appointed chairman of the County of Middlesex Executive Council, and has also been reappointed a governor of the Royal Hospital of St. Bartholomew. Mr. Mr. Stewart has been secretary of the Middlesex Pharmaceutical Committee since

PROFESSOR JOHN READ, F.R.S., who holds the chair of chemistry in St. Salvator's College, St. Andrews University, has been unanimously chosen for the 1959 Dexter award, administered by the American Chemical Society. The award recognises Professor Read's "meritorious services over a long period of time which have resulted in the advancement of the history of chemistry." The occasion is the first on which the award has been conferred outside the United States.

MR. WILLIAM BLOTT, M.P.S., has retired after eighteen years as managing director of Crisps Chemists, Ltd., Saturday Market Place, King's Lynn the shop where he began his career in pharmacy when he was sixteen. Mr. Blott, who is seventy-one, is a native of King's Lynn. After his apprenticeship he was employed by G. Jolley & Co., Ltd., Curzon Street, Mayfair. Qualifying as a chemist and druggist in 1910, Mr.-Blott stayed with Messrs. Jolley for over thirty years, becoming a director. An acquaintance of Mr. Blott's at the Curzon Street pharmacy was Marconi, a reminder of whose connection with Messrs. Jolley & Co. is a cheque signed by him which Mr. Blott received the day before Marconi died. Mr. Blott returned to King's Lynn after a German bomb completely destroyed Messrs. Jolley's premises in May 1941.

MR. J. E. HINDLE, who has been elected president of the Hull Chemists' Association and chairman of the Society's Branch, served his apprenticeship with his father in their oldestablished business in Hessle Road and qualified at the college of the Pharmaceutical Society, University of London. After qualifying he served as a demonstrator and junior lecturer in pharmacy at the University of London. During the 1939-45 war he served in the Royal Navy and after the war joined his father in the business, becoming managing director on his father's death in 1948. He is a well known golfer, having won the Lofthouse golf cup six times.

MR. D. A. LONG, M.D. (Lond.), who took up an appointment as chief

medical adviser and head of the medical research departof the ment of the Wellcome Foundation, Ltd., on April 1, had been member of the staff of the Medical Research Council at the National Institute for Medical Research since



1948. He held previous appointments at St. Bartholomew's Hospital Medical School and at the London School of Hygiene and Tropical Medicine. In 1957-58 Dr. Long was visiting professor in microbiology in the School of Medicine at the University of Pittsburgh, U.S.A.

OVERSEAS VISITS

MR. JOHN AVERY (sales promotion manager, J. C. & J. Field, Ltd.), after visiting this year's International Fair at Milan, intends to go on to various European capitals to examine trends in the toilet preparations and perfumery field.

MR. J. E. C. BAILEY (chairman and managing director, Baird & Tatlock (London), Ltd., and Hopkin & Williams, Ltd.), left the United Kingdom on April 18 for Canada and the United States. Mr. Bailey is addressing the Scientific Apparatus Makers of Apparatus America at their annual conference at White Sulphur Springs, West Virginia, his subject the European Common Market and how it will affect exports from non-member nations, including the United States.

MR. MAURICE J. SMITH (overseas trade director, Evans Medical Supplies, Ltd.), Dr. A. Worlock (chief of information department), medical Messrs. G. T. Randal Davies (overseas marketing department) and W. S. Burtenshaw (Far East representative), have left for Bombay to attend a conference of eastern representatives of the company to be held on April 27. Representatives from Burma, Ceylon, Hong Kong, India, Malaya, Pakistan, Singapore and Thailand are to attend the conference.

ULSTER CHEMISTS' ASSOCIATION

Provincial members meet the Executive

THE April meeting of the Executive Committee of the Ulster Chemists' Association was held in Belfast on April 7, Mr. J. A. Brown (president) in the chair. MR. BROWN welcomed the representatives of the local associations, who were present by invitation. The Committee considered a suggestion by MR. W. L. MCDONNELL that an interchange system should be introduced to enable broken packs in the dispensary to be cleared. Mr. W. R. McNabb thought that such a scheme could best be carried out through the medium of U.C.A. advices to members, but THE CHAIRMAN pointed out that many difficulties had arisen when the subject had been considered some time previously. It was agreed, however, to set up a small subcommittee thoroughly to explore the matter again.

Discussion took place on a resolution from the East Down Chemists' Asso-ciation "That in view of the adverse publicity which may be created for the chemist, in, for example, the case of accidents, the U.C.A. consider it is now time to appoint a public-relations officer." Mr. N. C. Brannigan, Dundrum, said chemists felt that, while adverse publicity to chemists often appeared in the general Press, little in their favour seemed to get into print. Chemists were playing an important part in the National Health Service, and would like to see more publicity of the right sort. Mr. W. F. GINN, Ballymoney, endorsed that statement, and it was agreed to consider at the next meeting of the Executive Committee the appointment of a local Press officer.

Commenting on a second resolution from the East Down Association "That wherever possible an approach be made to those firms marketing expensive proprietaries with a view to their issuing the smallest possible "minimum packs (e.g., 20's and 100's rather than 25's and 250's) THE CHAIRMAN explained that the matter had been raised repeatedly with the manufacturers, and the Executive Committee would do so again.

Competition from Vans

A third resolution was endorsed by the Lurgan and North-east Ulster Chemists' Associations "That no effort be spared in attempts to put to an end the unfair competition of van salesmen to chemists in the country districts.' Considerable discussion followed and THE CHAIRMAN said that the Executive Committee was mindful of the difficulties experienced by the provincial members in the matter. Much work had been done without much seeming success. He assured country members, however, that the Committee would spare no effort on their behalf.

MR. W. S. HALL, on behalf of the East Antrim Pharmacists' Association, asked if the wholesale as well as the retail price could be included in the Association's price list and advices. It was recognised by the meeting that a good deal of extra work would be involved in carrying out that suggestion, and members agreed that only the manufacturer's retail prices should be included as at present.

A letter from the Ulster Provincial Licensed Traders' Defence Association complained of abuse of the law by a small number of chemists selling and exposing for sale tonic wines without an appropriate licence. The secretary was instructed to warn members against such action.

Other and varied items of interest were aired, and THE CHAIRMAN thanked the provincial members for travelling long distances to attend the meeting, and for their lively contributions to the discussion.

Messrs. P. I. O'Neill, High Street, Newtownbutler, and F. J. Sharkey (successor to Ards Pharmacy, Ltd., High Street, Newtownards), were elected to membership of the Association.

Also present at the meeting were Miss C. E. Also piesent at the incering were Miss C. E. Culbert, J.P., Messis, J. C. Acheson, H. S. Anderson, N. A. J. Anderson, J. Caldwell, H. G. Campbell, H. Donaghey, H. W. Gamble, O.B.E., R. Gibson, O.B.E., W. L. McDonnell, R. A. McEwen, J. K. McGregor, W. R. McNabb, W. L. Moffett, M. C. Mooney, W. I. Rankin, D. R. McCongo, W. J. Rankin, D. R. McCongo, W. J. Rankin, D. McGolley, D. Rankin, D. Rankin, D. Rankin, D. Rankin, D. Rankin, D. McGolley, D. Rankin, W. J. Moffett, M. C. Mooney, W. J. Rankin (treasurer), C. L. G. Rattie, A. Steede, A. Templeton, J.P., J. C. Wellwood; Mr. W. S. Hall (East Antrim Pharmacists' Association); Messrs, N. C. Brann gan, W. J. Thornton (East Down Chemists' Association); Messrs, M. C. Cooper, J. P. Hutchinson (Lurgan Chemists' Association); Messrs, W. F. Ginn, J. H. White, R. J. White (North-east Ulster Chemists' Association), The secretary (Miss A. E. Strachan) was in attendance. Apologies for non-attendance were received from Miss C. B. Abernethy, Messrs. W. H. Boyd, J. Paul, C. A. Quinn; Mr. B. J. Deeny (East Down Chemists' Association): Mr. B. J. McConville (Lurgan Chemists' Association); Messrs, W. Donaldson, M. J. McDermott (Londonderry Chemists' Association).

Correspondence Letters when received must bear the name and address of the sender, not necessarily

for publication. The Editor does not hold himself responsible for the views expressed.

Council Election

SIR,—Some candidates will receive votes because they have served on the Council already; others because they are known personally or by reputation to some of the electorate. The Romford and District Branch of the Pharmaceutical Society ask for your support for Mr. Kenneth Holland because they believe that he would be a most useful and worthwhile member Council. What more need be said?

> K. H. Rose, Chairman E. W. RICHARD, Secretary Romford

Youth or Experience?

SIR,—As a medical representative of many years' standing, I am surprised at the advertisements under "Situations Vacant," which always state cants between twenty-five and thirty-five." It appears if you are forty or forty-five you are too old! Some of the "yankee" firms reckon it is due to their excellent superannuation schemes! or is it? A number of general practitioners I see have remarked on the ever-changing young fellows that come round. They prefer a chap who has been visiting them over a few years. That proves itself in the business done by the men who have been on the road since the National Health Service started.
Another important fault with many firms is in their statement "strict confidence." I know of two friends who have proved that statement to be false. The companies concerned have done themselves a lot of harm, particularly in my area. You sales directors, etc.. take note! Propaganda works both ways!

" LANCASTRIAN "

Administrator and Pharmacist

SIR.—Permit me to comment on the article by Mr. J. A. Willan, F.C.C.S., A.H.A., who is attempting to deal with the administrative problems of the hospital pharmacy (C. & D., April 18, p. 429). The writer may have had twentyfive years' experience as a hospital ad-

ministrator, but I am convinced, after reading his article, that he does not know much about hospital pharmacy and its problems, Mr. Willan, like many other administrators, cannot grasp the essential principles of the matter, and I do not think he will ever understand unless he qualifies as a pharmacist. There is much more to it than he imagines. He leaves bulk stores of drugs in the hands of a storekeeper, who I assume, should be under the direct supervision of an administrator, but at the same time he sends the storekeeper for information about storage and other problems to the pharmacist, instead of letting the administrator himself deal with the problem. The answer is simple: the administrator has not the knowledge which the storekeeper seeks. The only solution is that the drug store should be under the direct control of the pharmacist. I wonder why the writer assumes that the administrator is "the sole officer who can commit the hospital to expenditure"? I think that the financial committees formed for that purpose are much safer. Why is it that only the administrator should know how much money is available for the purchase of drugs? Is that a secret? It would be much better if the pharmacist had the information. So far as I know. the information is available to the pharmacist, and when he is allowed to he uses it with excellent results. The ordering of drugs through administrators constitutes unnecessary delays and misunderstanding, due to the complicated nature of the orders: orders for pharmaceutical supplies cannot permit those faults, which could bring disastrous results to patients. I have had wide experience of hospital pharmacy in Britain and abroad, and I have seen pharmacists as successful administrators (secretaries of hospitals) but I have never met yet an administrator who became a successful pharmacist, and why? Because he could not become a pharmacist without obtaining diplomas and degrees.

S. Wozniak, Dunfermline

MOTIONS AT STUDENTS' CONFERENCE

Concern about reciprocal agreements

Concluded from The CHEMIST AND DRUGGIST, April 18, p. 425

OTHER motions that were discussed at the annual conference of the British Pharmaceutical Students' Conference, at Folkestone, April 6-10, were as

Chelsea College of Pharmacy moved "That, in view of this country's legal requirements in pharmacy, pharmacists from parts of the Commonwealth who are proposing to practise here under full reciprocal agreements should at least be required to take the forensic examination of the Pharmaceutical Society of Great Britain, as do the United Kingdom university graduates." Proposing the motion, Mr. C. Hart, Chelsea, said that most overseas pharmacists who wished to practise in Britain had to take such parts of the Ph.C. examination as the Pharmaceutical Society thought fit, and nearly always the forensic examination was included. But there were countries in the Commonwealth such as Australia and New Zealand which had full reciprocal agreements.

A Cause of Annoyance

Mr. C. Roberts, Chelsea, said that some students were annoyed about the number of Australian pharmacists practising in Britain who did not take the Society's examinations. Mr. P. J. PLAS-Kow, Chelsea, said the situation was be-coming "virtually out of hand" in London, where "certain manufacturing companies and retail shops are almost entirely run by Australian pharmacists who change jobs almost weekly." other student said he did not think it was up to the Association to make recommendations to the Society on its educational policy affecting post-graduate students. Another pointed out that if the resolution went through, the Association should realise that it would be only fair that Commonwealth countries should insist that British pharmacists going there should take their forensic and other examinations. Mr. G. Downes, Chelsea, agreed with a suggestion from Mr. Buckett that the Association should use the resolution as a "lever" against the Society to urge the Society to recognise the forensic examination of degree students. MR. HART said that the Association would not be trying to dictate to the Society its international policy. There would be no objection to overseas pharmacists coming to Britain to practise, but it was thought that those pharmacists should comply with the educational requirements of the Society. The motion was carried.

A motion from the School of Pharmacy, London University, "that the Pharmaceutical Society should adopt the forensic examination of the universities as an adequate substitute for the Ph.C. paper" was carried. MR. R. BUCKETT, proposing, said that the Society was aware of the problem — the motion came up year after year at the B.P.S.A. conference. THE CHAIRMAN (Mr. Faux) pointed out that a similar motion had been defeated in 1958, MR. MILLS, Chelsea, supported the motion

because it had, in effect, been discussed under the [previous] resolution when it was agreed that it was bad that degree students should have to take the Society's forensic examination. The Society should be pressed to recognise all the universities' forensic examina-

"Don't Abdicate Control"

MR. G. FAUX (president) said that the executive committee thought that the Society should not abdicate control over the examination of pharmacists. "That is the last control the Society has in the case of University gradu-If the Society "farmed out ates. the responsibility to independent bodies such as the universities, the executive thought it would be the "thin end of the wedge" to the Society's ceasing to be an examining body at all. The examination should continue, but ways should be found to avoid the wait of six months needed before degree-holders could take the Society's forensic examination. "You must beware of the difference between the desire to remove that long wait and removing the examination altogether." MR. BUCKETT said it was the policy of the Pharmaceutical Society eventually to have all entry into pharmacy by degree and do away with the Ph.C. altogether. "I think that this [resolution] will be a good start."

A Plymouth motion "That B.P.S.A. deplores the state of affairs that exists between the London University and the Pharmaceutical Society regarding the recognition of the degree by the Society without the University accepting the diploma for the first two years of the degree course," was defeated. MR. P. NATHANAIL, Plymouth, in proposing the motion, said that "this state of affairs has existed since the last century and nothing has been done to improve it." The Ph.C. graduate who had not obtained the Advanced level General Certificate of Education had to obtain it before he could commence the three-year degree course. The Ph.C. level was much higher than the G.C.E. Advanced level. "I think this resolu-Advanced level. "I think this resolu-tion should go through in an effort to give the Ph.C. graduate the chance to go on to study for the B.Pharm. without delay." London University allowed overseas university graduates "who are often inferior to the Ph.C. graduate of this country," to go to graduate of this country," to go to London and take the B.Pharm, examination after only one year. That was unfair. MR. R. BUCKETT, School of Pharmacy, London University, said the suggestion that overseas graduates could take the London University B.Pharm, examination after one year's study was fallacious. That had been changed about three years ago-everyone now had to take the three-year course. Mr. K. Gor, Sunderland, said that if the motion was passed it would mean that the Association wanted the Ph.C. qualification to be equivalent to the Part I B.Pharm., which was "ridi-culous." The motion was defeated.

Other motions discussed and carried at the conference were: 1. (proposed by Leicester) "That the executive committee of the B.P.S.A. should provide members with more adequate information concerning their deliberations, achievements and aims; 2. (Portsmouth) That the B.P.S.A. should continue to press for a practical examination centre in London; 3. (Sunderland) "That Pharmaceutical Society should compile a list of manufacturing concerns, hospitals and retail pharmacists over the whole country who are willing to accept student apprentices, similar to the list compiled by the Scottish Department of the Society; 4 That this conference, while being fully aware of the financial state of the Pharmaceutical Society, would welcome a more substantial grant from it to the B.P.S.A."; 5 (School of Pharmacy, London University): "That this conference recommends that a tiddlywinks competition should be run concurrently with the U.C.A.L. football cup competition; 6 (Plymouth) "That the B.P.S.A. deplores the uncertain policy of the Pharmaceutical Society in dealing with the academic affairs of pharmaceutical students; 7 (Bradford)
"That the University of London should be urged to revise the Part I pharma-cognosy syllabus of the external B.Pharm. degree in such a way as to give more precise information with regard to the subjects to be studied"; 8. "That negotiations between the Pharmaceutical Society and the Government should be continued regarding the status of pharmacists in the Forces with a view to a commissioned rank for pharmacists and possibly a pharmaceutical corps; 9 (Chelsea) "That the B.P.S.A. should be represented by some of its members being present on the Pharmaceutical Society's stand at the National Education and Careers Exhibition in London opening on May 26, assuming there is time for the necessary arrangements to be made and also that B.P.S.A. should be represented at any future exhibition of that type.

A motion proposed by the School of Pharmacy, London University, "That this conference strongly recommends the adoption of Poland into the International Pharmaceutical Students' Federation, should a formal application be made, for a probationary period of one year, complete membership being adopted if the probationary term is successful." was defeated. Of the remaining motions, four were withdrawn

and two not proceeded with.

Guest Speakers

Talks to the delegates during the conference were given by Mr. H. S. Grainger (a member of the Council of the Pharmaceutical Society, and chief on opportunities within, and the structure of, hospital pharmacy; Dr. W. Williams (Pfizer, Ltd.) on "Antibiotics"; and Dr. H. O. J. Collier (Parke, Davis & Co., Ltd.) on "Our Chemical Comforts."

OST - BUDGET PRICES

FOURTH LIST (the first was published in the C. & D., April 11, p. 414; the second and third as eight-page supplements on April 18 and 25).

IN general products are listed below under their own proprietary names rather than that of the manufacturer, unless they are more familiar under the name of the maker. As that is to some extent a matter of to some extent a matter of opinion, it is advisable to try both ways before concluding that any particular item is not listed. \$Denotes that where notified the previous retail price is unchanged.

Bal-Hou 3 0 Balca rheumatic balm Barnet combs 0 R 21 R22 R23 R24 R26 10 10 R91 R92 R94 R96 brush. Dorlon Bilson's laxative cleanser ncrve food 16 oz.

19 29 4 5 1 Colistol No. 1 Coxidan No. 3 Crodimyl tablets 1 lb. 11 injection Cryogenine (Lumière) pow-der 50 gm. 0·25 gm. 10 0·5 gm. 10 2 11 2 11 10 7 tablets 50 20 5½ 35 11 100 12 Cryozol jct syringes 12 oz. 25 D.C.T. (Crown) Danistol A capsules 2.7 12 24 C

G Grasshopper ointment 81 pills Homovir tablets Hoopers female pills 10 Horlicks mixers

tablets

Duo-Gestin powder

Dicalossa

Hornicura

HOUBIGANT Quelques Flcurs perfume 35

eau de toilet

eau de toilct

16 10

69690360660

Jochem's hormone prepara-

Jocigares

35

12 face powder soap be creme de beaute box of 3 1.3 Chantilly perfume 52 84 129

Hou-Joc 35 -Flatterie perfume 139 eau de toilet 30 Howards' aspirin tablets 25 100 Hydrcnox oval diuretic 100 08689 500 183 Hy-fo baby cream Hygilax 0 4½ 9 0 Hygitone Hyporsyl Hyposulfene dragees 60 Hypotensive drops (Fraisse) Hypotensyl tablets 1 oz. 2 oz. 2 oz. Huxleys Wintogeno 1 3 3 7 11 5 5 9 0 7 4 5 3 5 tubelette New-Vigor dose 100 dose Betul-Ol oz. 3 oz. baby powder dusting powder 3 oz. oz. 16 oz. 50 colchi sal caps, 100 2 oz. 2 oz. witch hazel jelly sal antisepticus 4 oz. 8 oz. 5 11 16 oz. 1 Hoderm Hon abscess salve Incretone Ingram lather cream 6 oz. brushless cream Intrait de Marron 24 cc. 9 8 5 8 oz. 32 oz. 50 gm. Intralgin liquid 10 Intrasept oral drops 6 gm. Iodhema ampoules 10 x 2 cc. 3 2 (Nativelle) 11 solution tablets Iodine Medol ointment 6 1 4 7¹/₂ 5¹/₂ Iodine oil (Crown) Iodised Balmosa OZ. Iodobesin tablets 120 12 Iodomelis P Logcais 25 mils tablets 50
Iodone Robin
Iodo-Nuvisol eye ointment 1½ 3 50 4½ 7 Ionace tablets 11 11 9 8 0 3 0 Ipana tooth-paste medium Iso-gel 6 11 60 Isovac flask (Lustreen) 8 fl. oz. 5 7827764 10 18 jug (Mayfair) flask (Gold Seal) 4 oz. Jaan's health salt 10 Dr. Janssen's tablets Jaslyn mammoth ovals Jarge ovals JEYES special offer toilet fittings coloured porcelain fit-0 tings -Jeypinc bath soap 3 oz. 20 oz. 09 -Suleo 80 oz 6 1 gall, toilet soap 1 gall. 5 gall. -liquid

Joc-Kos holders 0 11 powder Johnsons baby powder soap 9 5 11 shampoo sachets bottles lotion cream oil standard gift box 669 dental floss 12 yds. 24 yds. Jordans gin pills Juvigold tablets 11 14 K Kaladex 36 71 0 7 0 7 0 1 3 0 2 14 Kalmine cachets 6 2 5 12 Kalmopyrin Kalzana tablets Kamillocreme 1 07. 8 oz. 16 oz. 7 lb. Kamillosan liquid 2 fl. oz. ½ pint I pint ½ gall 8 4 8 23 1 gall. 151 8 7 0 ointment tube 16 oz. 28 Kasemol ointment Kayes Worsdell's pills Kceblo 480 em 3,600 gm. Keenes one night corn cure Keep Fit health salts Kerbina raspberry leaf tab-5 10 lets morning-sickness tablets cramp tablets liver pills
pile lotion
Kerofil tooth-paste Kest tablets 8 ; 4 2; 9 6 Kestema tablets 11 Kones 6 Kinortine tablets Kirby (H. & T.) products unchanged 0 9 Kit-E-Kat Knight's Castile soap 2! 9 Kolantyl tablets 10 Kola Astici dragees granules 4 oz. 8 oz. Kompo 40 Kopertox aerosol 6 oz. 15 28 1 pint lotion 1 quart 1 gall. ointment 1 lb. 15 ointment Kossolian (farm stock) 7 lb. 25 cwt. cwt. cwt. 7 lb. 165 (racehorse) 27 96 cwt. cwt. 2 lb. 7 lb. (hound)

cwt.

Kosywol electric blankets

SM1 SM2

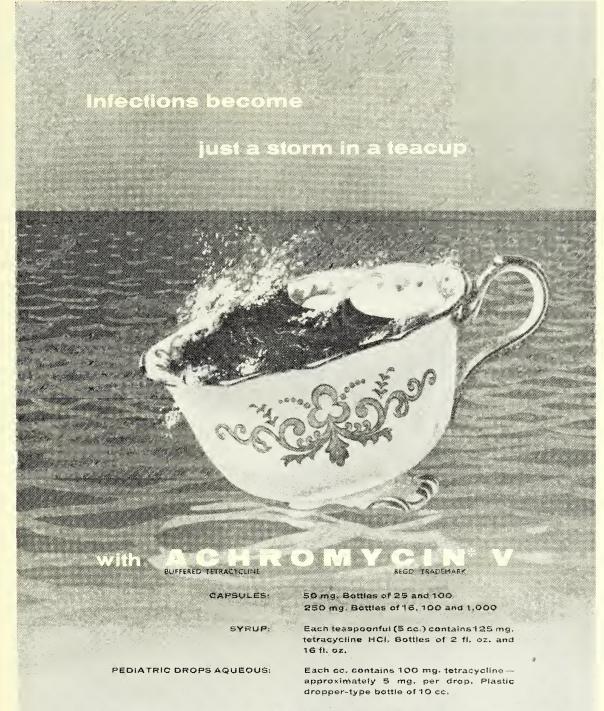
Kos-Lus KF1 98 6 0 6 151 PB Kreml hair tonic Kugloid capsules 50 2 9 4 4 2 10 5 5 10 100 Kuranol ointment suppositories Kurbicura 12 Labiton 4 oz. 6 oz. 8 oz. 2 10 26 oz. 19 Lacamex 30 2 8 Lactagol tablets Lacteol liquid ampoules tablets Lana electric blankets
60 x 80 in, 231
70 x 80 in, 453 Lansoyl oz. 16 oz. Lantigen oral vaccines Lavelean suction block 1 injection 5 mils Leucotropin 10 47 9 10 mils I/M5 mils 10 mils 14 54 tablets 20 5 25 100 Lifebuoy toilet soap 2½ 8 9 0 0 8 9 8 6 8 8 10 1 oz. Lion ointment oz. 36 oz. pills Lipvor Little Victor inhaler refills ali-metal recharge fluid Livertone tablets 11 10 0 Lobelline Lockyers sulphur hair restorer L'Onglex liquid polish cuticle remover 0 5 5 polish remover
Losall's asthma remedy
foot rot ointment 0 5 41 pills salts Lotio zinc sedativa (Ferris) Lusty's anamia pills catarrh pills 2 2 1 2 60 celery pills charcoal tablets 60 150 6 chlorophyll tablets 120 2 2 3 gr. 5 gr. 100 culinary spices cinnamon 2 oz. ginger

CORRECTIONS TO PREVIOUS LISTS

The following corrections should be transferred to the lists previously published as supplements

No. 8000	44	0
l oz.	3	1
1 lb.	34	0
100	9	8
500	39	5
6oz.	3	6
10	2	0
50	8	2
250	35	0
10	2	11
30	7	0
4 oz.	- 5	10
16 oz.	20	
rub	1	3
	1 oz. 1 lb. 100 500 6oz. 10 50 250 10 30 4 oz. 16 oz.	1 oz. 3 1 lb. 3 100 9 500 39 6oz. 3 10 2 50 8 250 35 10 2 30 7 4 oz. 5 16 oz. 20

4,70	THE CHEMIST	ARD DROGGIST	May 2, 1939
Lus-Met	Met-Ozo	Ozo-Pep	Per-Pri
Lusty's spices (continued)	8 oz. 11 8	cagc 2 6	Pernione ointment 2 9
paprika 2 oz. 1 6 digestive tablets 50 2 1	Mink perfume 16 oz. 20 5 purser 14 6	Ozolo needle pinc essence	Pernomol 2 9 Perphyllon cachets 10 3 10
garlic perles 150 4 9 30 3 4	½ oz. 52 0 2 oz. 130 0	4 oz. 6 0 8 oz. 11 0	20 7 1 100 29 8
96 9 7	toilet water 4 oz. 16 3	16 oz. 17 6	Persomnia 2 8
192 17 8 1,000 76 6	8 oz, 28 6 Mispep 4 4½	40 oz. 39 0 160 oz. 120 0	5 4 13 2
tablets 50 3 0 150 8 6	Mist, Cardamom, Co.	200 0-1 2-1	Pertusa cough linetus
500 22 7	20 7	P	4 fl. oz. 1 8 8 fl. oz. 2 11
1,000 34 9 herbalene 1 6	Mist. Pepsinae Co. c. Bismutho (Hewlett) 4 11	•	Pertussin 7 3 Phalcin tablets 25 5 0
2 6 3 9	11 11	Pacific pain balm ½ oz. 2 3 Paddi gift pack 15 4	Phaldronc 4 oz. 4 8
herbal ointment 1 oz. 1 6	25 4 101 4	Pancrepatine pills 100 11 7½	Pheriban tonic tablets \$2 0 4 1
2 oz. 2 6 20 3 0	Mist. Tussinfans (Ferris) 5 0 Monekil "S" tablets 50 33 8	Papatropin suppositories 4 2 6 3	PHILIP HARRIS
70 8 6	100 62 4	tablets 20 4 6 100 19 0	—lae bismuth 4 oz. 4 5 4 oz. 6 2
8 oz, 3 4	Moorland indigestion tablets 40 1 4	Papine 8 oz. 7 6	-morrhuae co. ointment
tablets (malted) 40 2 1 120 4 9	Morgan's pomade 80 2 6	Paquin perfumes Ever after 10 3	—P.H. snuff 1 10
300 8 5 1,000 23 5	6 2	20 0 27 6	Phoenix gastric-ulcer tablets 4 10½ 10 0
lemon hand cream 3 3	pomade perfumed 3 2 5 10	49 6	lacquer spray 2 9 refill 1 8
natural herb tablets 50 1 6 150 3 9	hair-colour restorer (liquid) 4 8 Morphy-Richards electric blankets	9 x 9 _ 83 0	3 1
nerve tablets 50 2 1 150 4 9	popular BBU 65 6	15 0 22 6	Pholtussa Phospho-soda (Fleet) 6 oz. 4 4½ 7 2
neuritis pills 60 2 1	BCU 85 0 BBU3 70 10	44 6	Pied Piper 1 3
pilewort tablets 50 2 2 pilewort and witch hazel	BCU3 91 6 regent BSU 94 5	Eau de Paquin 36 6	2 6 4 0
suppositories 12 3 6	BDU 141 8	lavande 28 6	PINAUD
500 23 0	BSU3 106 3 BDU3 153 6	55 6	—eau de quininc 5 0
raspberry leaf tablets	imperial BEU 123 11 BFU 177 I	Eau de Senteur 41 0 72 0	8 4 18 0
40 2 0 120 4 7	BEU3 132 10	PARFUMS LE GALION	—with oil 5 0 8 4
seaweed bath 5 bags 3 2	Mucinum tablets BFU3 188 10 4 9	Sortilege $1\frac{1}{2}$ c.c. 6 3	18 0
tablets 50 2 1 150 4 9	Mycolactine tablets 50 3 5½ 250 14 5	$\frac{\frac{1}{8}}{\frac{1}{4}}$ oz. $\frac{20}{39}$ $\frac{0}{9}$	Blanche 8 4 eau de Portugal 5 0
and celery tablets 50 2 1 150 4 9	500 27 6	\(\frac{1}{2}\) oz. 55 3 \(\frac{1}{2}\) oz. 78 9	8 4
and sarsaparilla	Mylcto hair-colour restorer cream or lotion 3 9	1 oz. 122 0	—with oil 5 0
tablets 50 2 1 150 4 9	anti-scurf lotion 2 4	2 oz. 229 3 4 oz. 395 0	8 4 18 0
shampoo coconut oil 2 6 herbal tonic 3 0	tonquin, plain or with oil 2 4	8 oz. 750 0 deluxe 2 oz. 350 0	bay rum 5 0
skin cream small jar 2 8	coconut oil and olive oil shampoo 1 5½	parfum de toilette 3\frac{1}{3} oz, 39 8	extrait vegetal violettes des bois 5 8
2 oz. 3 3 4 oz. 5 7	1.1	7/10 oz. 14 3 2½ oz. 34 6	
sleep inducing tablets	N	$4\frac{4}{3}$ oz. 63 6 $8\frac{3}{4}$ oz. 106 0	-Opera setting lotion 5 0
150 4 9	N.H. and S. balm tube 2 8 jar 4 6	Snob ½ oz. 49 2	-lilac vegetal after-shave
smoking mixture 2 oz. 1 0 6 oz. 2 6	8 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	lotion 5 8 —liquid brilliantine 2 10
8 oz. 4 0 16 oz. 7 0	Naiodine Logeais ampoules	½ oz. 195 7 1 oz. 276 3	—honey and flowers 5 0 —hair oil, violet, jasmin
2 De Luxe for cigar-	10 mils 6 9 3 ¹ ₂	parfum de toilette	and lavender 5 0
ettes 2 oz. 1 6 special herbal tablets 50 2 1	vītaminised A 10 mils 6 9 11	$7/10 \text{ oz.}$ 21 0 $2\frac{1}{5} \text{ oz.}$ 51 3	-Tonicream 3 4 -cosmetique brilliantine 8 4
talcum powder jar 3 3	forte 10 mils 3 14 3 vitaminised B	4 ¹ / ₃ oz. 93 9 8 ¹ / ₃ oz. 166 6	—solidified brilliantine 11 3 3 4
vegetable powders:	10 mils 6 11 10½ forte 10 mils 3 14 3	parfum de toilette	-Pomade Hongroise 2 3
celery 2 oz. 2 3 garlic 2 oz. 2 3	Nalgol oral antiseptic 2 0	special for gentlemen, Whip and Lily of the	—Six-twelve creamy mascara 7 6 regular 5 0
onion 2 oz. 2 3 salts	Nasciodine cream 3 0 2 11	Valley 3½ oz. 39 8 Parisalon 30 4 9	-savon suc de laitue toilet soap 2 6
celery 2 oz. 1 6	Nemadis 1,000 mils 59 4	Paris Mist bath bouquet 6 10	Pinidrine 4 oz. 4 0
9 de partic 2 oz. 2 de partic 2 oz. 1 de partic 2 oz. 2 de partic	Neo-cifonal 30 gm. 2 4	beauty soap 1 11 hand lotion 4 4	16 oz. 14 0 80 oz. 66 6
7 oz. 2 6 onion 2 oz. 1 6	100 gm, 5 6 500 gm, 22 7	skin pertume 9 0 talcum powder 4 10	Playtex party pants 13 6 Stylees 5 11
7 oz. 2 6	Nervigest tablets 2 3 3 9	(plastic) 4 8	super size 6 11
wheat germ oil cap- sules 50 4 6	Neuton 3 7	Parkinson pills (all varietics) 1 5½	Dressees 6 11 7 11
100 7 6 250 15 9	Dr. Niblett's nerve sedative §6 6	2 6 5 0	Airees 4 6 catch-all bib 4 11
yeast tablets 1,000 62 0 60 1 3	Nohaesa ointment tube 2 7 8 oz. 11 8	Pazo ointment 4 11	cot sheet 5 11 9 11
140 2 3	16 oz. 20 5 suppositories 10 3 6	Peggy Sage cuticle remover 3 0	Polyestol bandage 9 4
1,000 13 6	50 14 7	day cream 5 3 nail white pencil 2 6	Pomade Max 8 4 Posalfilin 3 6
Lux toilet soap, coloured or white bath 1 2½	Norit charcoal tablets 25 2 4 100 7 0	night cream 5 3	Powells' balsam of aniseed 2 6
of write	Novalkol tablets 100 14 10½ Nulacin 12 2 0½	manicure oil 3 0	Preparation H ointment 4 4 suppositories 6 1
M	_	polishield 4 6 bouquet hand lotion 5 3	Pride spraying hair lacquer 3 6 refill 2 3
M	0	oil dry 4 6	brilliantine 3 6
Mackenzies smelling bottles, flat 2 0	O-de-dent liquid denture	polish remover 3 0	egg and lemon shampoo 3 9 tube 0 9
handbag 1 9 Mascot liquid inhalant 1 2	cleanser 2 7½ Odo-ro-no, regular (rcd) 1 11	cmery boards 3 0 gardenia liquid hand cream 5 3	triple sachet 0 10½ scalp milk 3 3
1 9	1 0	clear liquid polish 4 6 cream liquid polish 4 6	colour streak 3 3
Matmed baby cream 1 6	1 7	shimmering polishes 6 3.	glitters 2 3 beer/champagne or medi-
Meda-500 tablets 2 9 1 9	spray de luxe 3 6 roll-on 4 9	Stay Sheen lipstick 7 0 refill 3 6	cated shampoo 0 7 bubble bath 0 7½
7 11 22 6	refill 3 6	Penetrol inhalant 2 9 4 5	scalp milk sachet 0 6
Medaped Unchanged	Otigol ointment 3 6	inhalers 2 0	beer shampoo
Mcdilintex dressing 1 5 2 10	Otto of flowers toilet soap 1 8 3 2	drops 2 0 spray 2 9	super sachet 3 3 bath cushion 6 6
5 5 12 5	talcum powder 3 6	tablets 15 1 7 50 3 11	Primaquine diphos tablets 4 8
22 11	bath dusting powder 9 3	pastilles 1 11	93 4 Primolax tablets 50 3 7
Medol veterinary 1 9½ Metuvit ointment tube 2 0	Oxazine 4 oz. 7 8 Ozonol air purifier, complete 6 6	quick rub Peppers sulpholine lotion 1 9 1 9	200 12 6
8 oz. 11 8 16 oz. 20 5	empty cabinct 4 0 refill 2 6	quinine and iron tonie 1 9	Pritchards cooling powders 1 9 4 6
with cod-liver oil tube 2 0	Pinc-air, complete 5 6	3 6	9 0



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ly: a sincere letter

relief to Rich was like Reaven ir Such pain. Then I bought small packet the next horning to some beoble but s pair was so brolonged was beginning to think it was Something much more nan remious indiquestion. recommend them to all my whole and age never bithout Lese wonderful tablets myself.
Yours most sinearly and E. Box. Blathe

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Pri-Ric	Ric-Rol	Rol-Sco	Sey-Sno
cold and influenza powders 9 0	—lait soupline 7	pouch 14 3	JANE SEYMOUR
Purosan disinfectant 1 3 2 0	Fortitude setting lotion, tonic and hair perfume 10 (strop 4 2 dressing 1 7	—talcum powder \$2 6 —bath cubes \$2 6
DDT Spray-A-Mist 2 6 refill 1 6	Cologne ' 342 ' 10 (Glug baby's hair milk 10 (hone 4 2	-Wonder puff gilt com- pact \$14 6
Pro denture cleanser 2 10 Proctoids 12 5 2	-hand lotion 10 (-lacquer aerosol 10 (Rosedale Lanospray 4 3	star compact 3 0 refill 1 10
Proctor's Pinelyptus pastilles 1 2 3 0	squee-ze 7 3	with lacquer 4 3	lipstick §3 3 refill §1 9
Proctosedyl ointment 9 4 suppositories 10 6	Hy-lite 6 G	ROSE LAIRD	—white Wonder lipstick twin pack §3 0
ProDermide liquid 11 0 cream 9 0	—life lacquer 3 —Mystic net 6	Thelium liquid cleanser	bathettes small 5 9 large 15 0
solid 7 0 Profenil tablets 25 4 8	-natural set 9 c -Sta-fresh 4 1	masque 2 oz, 10 0	Shave-ezc brushless shaving cream 2 5
100 16 4 250 37 4		6 4 oz, 35 0	Silbe asthma tablets 8 1 10 24 4 2
Prolon tooth-brush, adult 2 6 child 1 6	—barrier cream 2 1	young skin greascless	80 12 6 240 30 11
Prom home perm 7 10 end curl 4 6 Protocon 2 0½	—Dresset 5 (overnight cream small 6 0	cough syrup Silvapin pine necdle bath tablets 4 0
Protosil ointment 2 0½	—beauty on a budget \$1 : —original mascara compact 5 10	—race powder small 2 3	tablets 3 4 bath milk 6 9 foam bath 7 3
Provasine 2 11 Proveinase tablets 40's (Midy) 14 3	carton 3	Pat-tint large 6 0	bath salt 9 0 pine-needle extract 5 0
Prulax brand diacetyl dihydroxyphenyl-isatin 3 7½	carton 4	poudre-set 5 4 young skin protective	pine spirit embrocation 7 3
13 2 47 6		film 2 oz. 5 4 4 oz. 8 4 —compact powder 8 8	pine needle soap (box of 3)
Prunagar tablets 50 4 2 Pruricol 4 8		refills 6 0	foot bath with oxygen 4 6 massage oil 6 0
Pruvagol cream tube 5 11	lipstick 6 10	refills 3 4	Silvikrin pure 11 0 hair tonic 2 8
pessaries 12 6 6 50 22 11	-nail polish stick 4	—creamy liquid rouge 6 0	dressing 4 4 2 8
Puffem 100 38 9	—cuticle remover 3	mascara 8 4	cream (small) 4 4 1 9
Pulmodrine expectorant 4 4½ 35 0	-boudoir perfumes	ROSS ENSIGN —Solaross 9 x 35 389 9	2 8 shampoos
Pulmolactis 63 0		Solaross 7 x 42 492 5 —Solaross 12 x 40 509 11	leaf 0 7 sachet 0 7
Punch and Judy tooth-paste 1 101 Purma Plus camera 133 8	-skin perfume 7 19 -french toilet water 2 oz. 6	—Solaross 15 x 40 550 11 —Spectacle Solaross 8 x 35 532 5	bottles (wasp waist) 1 8 3 3
Pursennid tablets 20 3 10	—flowers-in-ice 2	Steption 8 x 30 708 0	triangular \$1 7 \$3 0
40 6 9 200 28 4	4 oz. 7	Spectaross 8 x 40 860 8	cream sachet 0 7 tubes 1 9
Pyridium 25 6 6 Pyrozide tooth-powder 8 10	Rise shaving cream Riviera ultra violet and	Stephux 7 x 50 943 11 Stepmur 10 x 50 1023 11	Simpsons milk mode 2 3 Sinapsolin 1 oz. 2 7
Q	infra red ray lamp R2 35 Robaden	-110pical / x 40 370 10	1 lb. 17 6
Quinolax tablets 24 3 1 Quintas tablets 15 4 9	tablets and ampoules 17	Kotoffesh W.C. pan block	Dr. Singha asthma tablets 1 9 5 11 14 1
100 23 9		Rotosan air conditioners 5 6	Sinuberase 6 0 Siogen 20 2 4
R	Bandit; Calypso 26 45	junior 2 6 blockettes "B" 4 0 Rouse's compound adrenaline	100 8 9 1,000 43 9
Rabro gastric ulcer tablets 40 7 11	141	cream 2 oz. 6 2	Siopel 4 8 29 2
F. W. READ high frequency set com-	451	8 oz. 12 5	Sir shaving cream, brushless
plete 3 electrodes 213 9 4 electrodes 225 8	39	Roxy bathing cap 6 11	tube 2 5 jar 3 5 lathering 2 9
vibrator de luxe 299 3 Readson duo-ray lamps	109	bleach 4 7 Rozalex No. 1 tin 2 6	-after shaving lotion 3 9
model 500 166 3 501 118 9 502 98 0		No. 2 tube 1 9	-brilliantine 3 9 Sirfix hair cream 3 2
503 81 4	Visa; Baghari; Calypso) 19	No. 8 1 9 lanolin skin cream 2 0	Sister Laura's food 2 0 soothing powders 4 0 9
504 77 2 505 102 2 507 98 0	52	Rubelix cough syrup 3 2 Rubriment liniment 2 oz. 4 1	Skin Soft 1 5
512 149 8 514 133 0	ROBERTS' CROUPLINE Pine vapour rub 1	20 oz. 36 8 cream 20 gm. 2 11	(other Crown capsule products unchanged Skctofax cream 2 4
516 128 3 648 190 0	Glycerin, lemon and ipec. 2 oz. 1	Rucoval 5 0	Skintex medicinal cream Skol sun lotion bottle 2 6 Skol sun lotion bottle
649 60 0 651 32 8	Glycerin, lemon and honey 2 oz. 1	Rybaterrin and tablets 5 32 Rybaform 2 11	2 8 4 5
Rectocalcium 12 10 8 Reipar ampoules	Indian Brandec 2 oz. 1 All fours cough mix-	5 Rybar Children's Cough inix- ture 2 3	tube 2 oz. 3 0 *4 oz. 4 10
2 mils 10 11 3 Relion chest and lung tonic 2 3		1½ cold sole lotton 3 3½ eye lotion 3 3½ mist, tussi infans 2 3½	(*available shortly Sky tooth-paste 1 2
Remalco children's tonic 3 3 Remetuss 2 6	Roberts Windsor brown toilet soap 1	greyhound tonic $\begin{pmatrix} 4 & 4\frac{1}{2} \\ 8 & 9 \end{pmatrix}$	Sleepwell electric branket 89 8 Sloan's liniment 2 7
Remington electric shavers Rollectric auto home 239 6	bath disks 2 toilet soap 0 1 both disk	tonic tablets for dogs 1 11 5 4	balm 3 10 Slumbrin 2 4
triple volt 232 5 standard 213 0 super 60 auto home 203 0	bath disk 1 1 talcum powder 2 bath cubes 3	Rybathane 4 8 Rybrol 7 0	4 1 12 3
super 60 auto home 203 0 triple volt 196 0 regular 175 11	hand cream 2	52 9½ 6 Rybronsol 3 6	Smoke colour rinses, all shades 4 10 Sno-mist deodorant powder 2 4
four most 151 11 princess 122 4	family pack 1	S Sebosyn No. 0 6 0	Sno-mist deodorant powder 2 4 liquid spray 2 4 Sno-stik deodorant stick 3 0
Resuffin asthma tablets 18 3 7 36 6 6	powder tin 1 1 lotion 2 1	1½ No. 1 9 3	SNOWFIRE vanishing cream 0 9
72 12 1 144 22 11	soap 1	Sedophylin and Sedophylin-R tablets 20 6 3	cold cream 0 9 face powder 0 9
Rheu medol 1 5 Rhcumelin 5 4	40 oz, 21 80 oz, 38	5 100 25 10 2 Sedresol ointment 4 0	rouge block 0 9 cream rouge tube 0 11
Rheumester cream 3 6 RICHE	Roches embrocation 5 Rolls razor Viscount 61	Semprolia DDT hair emul- sion 1 2	lipstick 1 5 almond hand cream 1 5
-almond oil creme shampoo ½ oz. 1 6	pouch set 85 super blade 11 1	6 Saliode (Gabail) ampoules 5 mils 5 9 3	waveset 1 5
2 oz. 4 3 4 oz. 7 11	shaving soap bowl 5 rcfill 2	6 Salter weighers 8 Mayfair 75 6	hand jelly 1 6 cold cream jar 1 7
8 oz. 16 0 16 oz. 30 6	stick 4 rcfill 2	0 Grosvenor 103 8 4 Windsor 124 11	vanishing cream jar 1 7 cold cream jar 2 2
-champagne shampoo sachet 1 0	replacement glasses 5 1	6 Santoware PL7 baby plate 13 8 BC9 baby cup 5 4	vanishing cream jar 2 2 2 waveset 2 2
2½ oz. 3 9 5 oz. 7 0	shaving brush large 42 medium 32	7 3 10	1 7
—lastic lustre hairset 8 11	small 25	0 8	ointment 1 7

		THE CITEM	101 71	IND DROUGIST		May 2, 1959
Sno-Sub		Sub-Thy		î hy–Vel		Vel-Zof
	1 81	penguin	3 6	50	59 4	37.
	7 9 1 3½	floral seal	7 9	1 mil 3	7 1	12 1 6
Soloform antiseptic	1 101	trident	6 6	50	19 0 86 8	Vermithol 1 pint 14 0 1 quart 25 9
(glyco) mouth wash	1 10½ 1 10½	skeleton Sulfotin 1 pint 1	8 6 11 6	Tiodine pills 50 Tonalix	5 10 3 9	lgalt 76 4
super antiseptic cointment	3 2 4 2		18 9		5 0	Viceroy dry shaver (non- electric) 110 0
Solsen 4 fl. oz.	2 6		1 2½ 1 11	Fonergetic 4 fl. oz. 8 fl. oz.	3 6 5 3	A.C. 106 6 V. ten, 195 6
Sol-Tan infra red lamps EM, 120T 80		Supersoft liquid shampoo Supol suppositories	4 4	1 pint 1 quart	11 8	A.C.4 145 0
EM. 121T 93 high frequency set	3 2	Suppositories Midy. Surgaseptic germicide	7 9	½ gall.	40 10	Videnal tablets 7 6
EM/HF: 6P 310	0 6		1 8 3 6	1 gall. Topina dandruff jelly 5 oz.	75 10 4 6	Villescon tablets 20 9 71 200 84 7
Solucamphre ampoules 2 mils 6		ointment	1 9 3 6	12 oz. 20 oz.	8 9 16 0	V.I.P. baby powder 1 11
solution 30 mils with spartein 30 mils	79 79	throat pastilles	1 7	shaving cream bowl	6 6	Viritex 3 6 Vita-glucose \$0 11
Solvochin ampoules adults		Syrotus Syrupus Pectoralis Rub	5 0	jar tube	3 10 2 3	Vitalia 2 oz. 2 4
	5 11	(Ferris)	3 9 6 0	brushless 2oz. 4 oz.	1 9 2 11	Vitalis 5 9
50 71 children 6		Syrup pertussis (Gabail)		8 oz.	5 1	Vitalong 3 0 Vitonagen tonic 3 5
50 41	1 7	4 oz. 16 oz. 1	4 10 1 0	sticks refill	2 9 1 4	Vivipan nasal 12 oz. 20 2
	2 6 2 5	Swandown face powder	22 91 2 6	after-shave talcum lotion No. 1	2 2 3 3	Voxone 4 oz. 3 1 8 oz. 4 9
Songo	5 7		1 10	No. 2	6 3	W
Bophisti Creme	7 6	foundation cream	3 2 2 3	eau de Cologne medicated pine bath	4 0	Wainpoles Magnolax emul-
Sorella foam bath	3 7	skin velvet	3 10 2 1	essence 4 oz.	3 3 5 8	sion 8 oz 4 43
Sorosil	2 5	skin food	3 2	8 oz. 12 oz.	7 9	phospho-lecithin 8 oz. 5 4 Warmabed electric blanket
Sotor mouth-wash tablets	3 0	beauty film	5 4 1 6	16 oz. 20 oz,	9 3	single heat 60 x 40 in. 245 7 60 x 28 in. 170 0
Sparklet Hostmaster syphon 65		Skin Glo	5 4	40 oz.	22 9	40 x 20 in. 94 5
Streamline syphon 96	5 (1	Fresh up	3 2 5 4	½ gall. 1 gall.	42 0 78 0	three heat 60 x 44 in. 273 10 60 x 28 in. 188 10
Spasmenin SPRATT'S			2 11 7 4	Torpedo embrocation Traka syrup 4 oz.	2 0 4 2	Golden Rest 60 x 44 in, 131 0 60 x 28 in, 87 4
-Purr Puss cat powders tonic powders	7 7		5 4	Transpulmin ampoules		de luxe 50 x 25 in, 101 11
—red mixture	2 5		1 10 7 4	adults 5	9 6 7 10	WEIL —Perfumes
	1 2	face mask	5 4 10	50 children 6	59 4 7 1	-017 016 13 6 25 6
—dog soap No. 1 and	11	lipstick gilt	5 4	12	12 6	015 43 9
	e îî	plastic Lip-Glo lipstick	3 2 2 1	75 solution	49 10 14 10	014 71 9 013 121 3
—diarrhœa remedy for goultry	3 7		2 1 1 0	Treutabs 10 20	1 2 2 0	WESCO
—Canaradyne		"teen and twenty" cream	1 11	100	8 2	4 10
Staytrim hair cutter 3	1	invisible hair net laquer refill	2 1 1 6	250 500	17 6 32 1	-anodyne granules 6 9 3 8
Steiner blue essence rinse gun metal rinse No. 1			1 11	1,000	58 4	6 9
No. 2	3	Т		Trinitrine cafeinee (Dubois) 60	5 31	-anti-smoking pilules 3 4 -Asquin expectorant 3 0
spray 14	1 3		0 71	Trinitrine papaverine (Laleuf	8 7	cherry cough mixture (adults) 1 9
brilliantine smart set weatherproof		Tampovagan, lactic acid 5 per cent.; ichthyol 5	-	Fusana cough linetus 4 oz.	3 5	—cold and influenza mix-
D.C. lotion	3	per cent.; fructose 20		Tussi-rube linctus Tympalgin ear drops 4 oz.	3 5 3	ture 2 4 4 3 —Hairmone 7 9
Starmist 11 handbag size	6		5 4 9 9			—Hairmone 7 9
setting lotion S.3 shampoo cream tube		ichthyol 10 per cent.;	5 7	U		chitis mixture 1 9
No. 0 jar 4	9	choleval 1 per cent.;		UNA electric blanket		one-day cold tablets 1 4 Sarfla female pills 3 6
No. 1 jar - 8 No. 2 jar - 30	0	sodium borate 10 per cent. 12	6 6	28 x 49 in. Udenum gastric vitamin	94 5	—sarsaparilla iodised blood mixture 2 4½
sachet 1		50 2	2 11 18 9	powder	3 6	with vitamin "B"
eau de Cologne mel-		stilbæstrol and sulpha-	10 9	Uneeda headache powder single	0 3	complex 4 3 —seven oils 1 6
lowed leather 13 creamy way 8		thiazole; stilbæstrol and lactic acid 5 per		Urace rheumatism tablets	1 9	2 3 3 9
face to face 8	0	cent, 12	8 11		3 4	—snuff 1 4
milky way 8	0	100 5	2 8 9 4	liniment Uraseptine (Rogier) 80 gm,	1 6 7 11	—Wahac anti-histamine and analgesic cream 2 4
eau dentifrice No. 0 5 No. 1 7	9		7 2½ 1 10	Urillac tablets 12 25	0 11 1 8	-Wescotone vitaminised tonic 4 4
No. 2 11			4 0	75	4 1	8 0
Liquiglove barrier cream 6	3	Thea electric blankets 24 x 60 in, 12	9 10	Uzon brilliantine	2 5	Westmacott's ear drops \$2 6 pile electuary \$5 3
Feminin body lotion 31 slip-on-finger nails 19	6	50 x 56 in. 20 Thelestrol tablets 20	0 8 2 9½	٧		Whitewings travel-sickness tablets Unchanged
individual nails 2 Steinerfix nail adhesive 2		. 50	5 8	Vacwonder vacuum flask	ć 10	Wood's (Cecil) chest and
artificial eyelashes 15	9	Theodrox tablets 25	0 5 5 3	BV05 VF05G	6 10 5 2	head powders 0 5½
Stemcol 2 4			5 10 7 6	VFIG and Sport VF15	5 5 7 11	box of 16 3 0 influenza powders 0 5½
	11	12	9 10	VF15G	8 5	box of 9 1 10
Stimudents dental stimula-		thermostat blanket T5430 16 T6048 25	9 9	VF2 VF2G	9 4 9 9	Wormex 25 4 6 15 0
tors 4 Storaxol 3		non-thermostatic blanket W5430 13	5 9	Vademecum elixir Valentine's meat juice	9 11 13 0	25 0 Wyness castle §1 3
Strepolene 1 lb. 5	3	non-thermostatic blanket		Valet blades 5	1 71	wyness castle \$1 3
Strepsils lozenges 5 lb. 28 24 2	6	Crescent blanket U5025 6		shaving brushes 470	3 3 6 0	X-Z
Surophosid ampoules 6		three-heat medical blanket 2		strop ' C '	8 3 3 5	Yadil antiseptic 1 oz. 1 4 3 oz. 3 2
Style 5	0	Thionaiodine (Logeais)		Valigel antifoin	3 1	6 oz, 4 10
Sublamin lotion 8		ampoules 10 mils 6 ! Thionaiodine V. (Logeais)	9 3	ointment base 4 oz.	4 2 9 11	20 oz. 13 0 40 oz. 24 0
Submarine hot-water bottles	0	ampoules 3 1	1 101	Valitone 4 oz.	5 6	1 gall. 72 0
No. 3 5	6	tablets 40 Thorens shaver standard 13	5 6	40 oz. 80 oz.	44 6 85 6	ointment 1 oz. 1 4 pills 15 oz. 4 10
	6	de luxe 20. standard cutting head 2.	36	Valomel lotion	1 8 2 6	tablets (Yadilets) 12 oz. 4 10 veterinary 6 oz. 4 5
solafin 5	11	long hair cutting head 2		VANDRE	2 0	20 oz. 11 9
safetyglow 7	9	Thrani anti-pecking spray 1 pt. 2	4 0	capsicum and winter- green	2 2	Zac baby cream 40 oz. 20 6 tube 1 5
safetyray 7 Submarine swimming caps	9	1 qt. 49 1 gall. 160	5 0	P.3 'flu powders Vege hair wash	1 3 2 1½	medium 2 3 large 3 3
Clipper 2 2	6	Thymomeltis syrttp	4 1	Vegetine pills	2 3	powder 2 0
3 2	11 11		5 4	Veldt cold cream skin cream tube	1 11 1 6	Zap pumice soap 0 6 Zofan essence 2 9
standard 2	11	10 1;	3 1	· jar	2 5	5 0



For Retailer, Wholesaler and Manufacturer

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Motion Sickness Remedies

An inviolable rule in assessing the value of different drugs should be "make sure you are comparing like with like." That the rule is not always observed is evident from an article, "Effect of Drugs on Motion Sickness Produced by Short Exposures to Artificial Waves," by Glaser and McCance in the Lancet (April 25, p. 853).

The paper compares the effects of hyoscine, cyclizine, meclozine, perphenazine and an inert substance in young soldiers subjected to artificial wave motion for short periods. An hour and three-quarters before they were put in enclosed rafts in a tank, the soldiers each received a capsule of one or other of the substances under test. From one point of view the tests left nothing to be desired: the reactions were objectively assessed by trained observers.

The results appeared to prove that hyoscine is the best prophylactic against motion sickness, with cyclizine a poor second and meclozine and perphenazine nowhere. Critical analysis, however, shows that the results are suspect. In the first place the dose of hyoscine administered was 1 mgm. (i.e., 66.6 per cent. more than the maximum official dose). The other drugs were given in normal dosage or less (cyclizine 50 mgm.; meclozine 25 mgm.; and perphenazine 8 mgm.). No attempt was made to find out whether higher doses of those compounds might be more effective. In the second place the authors claim, without citing their authority for the statement, that the human subjects of the test were exposed to motion while all the drugs were at the peak of their action. It may be true that hyoscine and cyclizine are at peak activity a couple of hours after ingestion, but there is some doubt whether a long-acting drug like meclozine reaches maximum effect in so short a time.

One significant feature was that the makers of meclozine, on assaying a sample of the capsules afterwards, recovered 20.5 mgm., rather than the 25 mgm. supposed to be present. To account for that finding the authors offer, among other hypotheses, the suggestion that the apparent deficit was due to loss during recovery. It is equally possible that there was a deficit. Indeed, the puzzling results obtained with cyclizine suggest that that may have been the case. Only in the first of the six tests was cyclizine shown to be significantly inferior to hyoscine, and that first finding may, the authors suggest, have been a freak observation, or alternatively, cyclizine may have its best effect when some habitu-

ation to wave motion is already present. It could also be that the original dose was too small.

In the matter of side-effects, hyoscine and cyclizine came out best from the tests, though hyoscine produced a greater degree of somnolence ten minutes after motion had ceased. One might speculate whether the movement countered the sleepiness. It is also permissible to wonder whether a general would be happy to know that one-third of his forces were likely to drop off to sleep when landing at their destination.

Such speculations apart, it is obvious that the *Lancet* article can only add confusion to a confused picture. We are no wiser as to which motion sickness remedy is best, though Chinn and others (*J. Amer. med. Ass.*, 160. 755. 1956), after comparing twenty-six different compounds, including hyoscine, on 16,920 forces personnel crossing the Atlantic, concluded that meclozine 50 mgm., cyclizine 50 mgm., and promethazine 25 mgm. proved best. Their finding was that hyoscine was effective at first, but that its continued use gave rise to most distressing side-effects.

Perhaps someone may care to repeat the recent tests, first finding out the optimal dosage and time of optimal effect of the compounds, and making sure that all compounds used are present in correct strength.

Overseas Trade in March

UNITED Kingdom exports of drugs, medicines and medicinal preparations in March were valued at £3:27 millions, slightly higher than in March 1958, but because of the record shipments made in January this year the value for the first quarter is running £ $\frac{1}{2}$ million above the corresponding quarter of 1958.

In the items for which separate statistics are available (see table), the value of aspirin exported during March had not been exceeded in any one month since September 1957 and then only by a narrow margin. The remainder of the items were all at average levels.

India, which has severely restricted imports of prepared medicines during the past year, received goods in that class to the value of £207,933 and was second only to Australia as the best single market, a position

		_		
EXPORTS			1	VALUE
Drugs, medicines, medicina	al pr	epara	tions	£
(total)				3,275,292
Vitamins				257,375
Penicillin salts				125,987
Penicillin injections				46,927
Penicillin tablets, ointments.	, etc.			52,903
Antibiotics other than peni	cillin			359,283
Quinine				14,973
Alkaloids, excluding quining	ie			137,933
Aspirin				126,865
Antihistamines				54,066
Antipaludics				50,038
Barbiturates				51,908
Liver extracts				17,231
Ointments and liniments				113,340
Insulin				46,673
Sulphonamides				86,270
Proprietary medicines				938,995
Other medicines, unclassifi-	ed			754,039
Glycerin				73,521
Acetone				30,002
Citric acid				44,094
Salicylates				11,736
Perfumery and toilet preparat	ions			
Lipstick, face powder, etc.				231,225
Dentifrices				184,418
Toilet soaps				205,830
Synthetic detergents				465,629

1	MPC	ORTS		£
Vitamins			 	 32,660
Antibiotics			 	 25,005
Alkaloids			 	 50,305
Proprietary medici	nes		 	 46,243
Unclassified medic	ines		 	 212,346
Borax			 	 76,957
lodine			 	 14,832
Menthol			 	 26,643
Essential oils				,
Bergamot .			 	 30,044
Citronella .			 	 21,043
Clove			 	 2,858
Geranium .			 	 26,779
Lavender .			 	 35,337
Lemon			 	 100,278
Orange			 	 39,068
Peppermint .			 	 69,834
Unclassified .			 	 146,108

she normally occupied prior to the imposition of restrictions. Exports to the North American continent during the quarter were at about the same level as in the corresponding quarter of 1958, the larger purchases by Canada being largely discounted by lower sales to the United States; sales to the Common Market countries showed increases except to France.

On the import side the value of prepared medicines sold to the United Kingdom at £366,559 worked out at about the average monthly value for the first quarter.

Taking the country's overseas trade as a whole, both sides of the account rose in March from the seasonally low level of February. Imports at £322.5 millions were nearly £31 millions higher although still a little below the level of January and the fourth quarter of 1958. Exports rose nearly £20 millions to £270.7 millions, very close to the level of January and the last quarter of 1958. With re-exports at £12.8 millions, the visible trade deficit at £39 millions was close to the average rate of the last nine months.

Pharmaceutical Society of Northern Ireland

MONTHLY MEETING OF COUNCIL

FIVE applications for restoration to the register were granted at the April meeting of the Council of the Pharmaceutical Society of Northern Ireland, held in Belfast recently. The applicants were Lillian Francis Mee Jones. Warrenpoint; Margaret E. McClelland, Poyntzpass; Patrick Joseph McBride, Essex; Alfred Noel Morrison, Belfast, and

Hugh Montgomery Mark, Coleraine.

The Vice-president (Mr. J. Caldwell) was in the chair at the meeting in the absence of the president (Mr. H. G. Campbell), who was attending a meeting in Ballymoney. Those present were Dr. R. G. R. Bacon and Messrs. William S. Hall, D. Moore, H. W. Gamble, O.B.E., W. P. Ewart, J.P., John Gordon, J. Kerr, W. J. Thornton, R. M. Watson, A. Templeton, J.P., G. E. McIlhagger and F. R. Moore, J.P. The secretary (Mr. W. Gorman) was in attendance. Apologies for absence were received from the president. Professor O. L. Wade and Messrs. W. H. Boyd, S. E. Campbell, R. Gibson, O.B.E., H. F. Moore, C. A. Quinn, P. R. W. Shinner and Walter C. Tate.

MR. CALDWELL said that Mr. Boyd was recovering from an operation.

Mr. Gorman announced that Mr. T. L. Bowyer, Liverpool, had intimated he would act as examiner in chemistry.

It was agreed that the May meeting of Council should be held in Londonderry on May 21, when the members would be attending Londonderry and Strabane Chemists' Association annual outing to Shrove and Greencastle, co. Donegal.

NEW BOOKS

Chemistry of Industrial Toxicology

H. B. ELKINS. Chapman & Hall, Ltd., 37 Essex Street, London, W.C.2. $9 \times 5\frac{3}{4}$ in. Pp. xi + 452. 92s.

INDUSTRIAL toxicology is a subject whose importance is realised though its study has been divided between medicine and the industrial technologist. This new book, American in origin, furnishes the industrial chemist and chemical engineer with information to enable them to plan processes and design plant so that the users of it do not come into contact with toxic or noxious chemicals.

The Retailer's Guide to Trading Law

K. R. BAGNALL, LL.B., and JOHN A. WALL, M.A. Jordan & Sons, Ltd., 116 Chancery Lane, London, W.C.2, and Shaw & Sons, Ltd., 7 Fetter Lane; London, E.C.4. $8\frac{1}{2} \times 5\frac{1}{2}$ in. Pp. 135. 12s. 6d.

To write a legal guide in a manner which is concise, easily read and accurate is no mean achievement. Having done so the authors are now to be congratulated on the issue of a second edition of the guide. The index, which covers more than eight pages, is indicative of the scope of the book, which most retailers should find valuable.

British Journal Photographic Almanac, 1959

ARTHUR J. DALLADAY, A.INST.P., F.I.B.P., F.R.P.S. (editor). Henry Greenwood & Co., Ltd., 24 Wellington Street, London. W.C.2. $7\frac{1}{4}$ x $4\frac{3}{4}$ in. Pp. 624 + 32-p. pictorial photogravure supplement. In board covers, 8s. Cloth bound, 10s.

In its 100th year, the Almanac is as useful a compendium as ever, and even more attractive. New features include an article by the editor on the publication's centenary, and contributions on "Challenge of the Future" (Charles L. Fraser, F.R.S.A., A.I.B.P.), "The Professional Photographer in Industry" (Michael J. Langford, F.I.B.P., F.R.P.S.), "Photographic Societies Today" (Richard B. Willcock, A.R.P.S.), and "Photography and the Fundamentals of Art" (Bernard Alfieri). Reviews of new apparatus and materials occupy 114 pages, An "epitome-of-progress" section summarises articles that have appeared during the year, mainly in the British Journal of Photography. An 18-page section lists sensitive materials for colour and black-and-white still photography and narrow gauge cinematography; it includes a guide to the choice of materials for medical photography. A special 11-page section deals with electronic flash factors and developing times. A list of text-books on photographic instory, technique, and applications is followed by an up-to-date directory of approved repairers.

THE BUDGET

From the.C. & D., May 1, 1909

THE Chancellor of the Exchequer is making his statement while this issue is going to press. On the previous night he created a precedent by issuing an explanatory memorandum with respect to the revenue and expenditure of the United Kingdom during the past year and the current year. The revenue for 1909-10 is estimated at £148,390,000, and the total expenditure at £164,152,000, the deficit to be provided for thus amounting to £15,762,000. Three-fourths of the deficit is due to old-age pensions, and the rest to increased Navy expenditure. As to last year, it is shown that the revenue from alcoholic liquors has further decreased, the consumption of beer now being 26.47 gall. per head of population (32.29 ten years ago) and of spirits 0.87 gall. per head (1.18 ten years ago). This has had to be taken into account for next year's revenue, and it is also stated that the Excise revenue has been increased by the transfer of the patent-medicine and playing-card duties, which were formerly accounted for under the head of stamps. changes in taxes and new taxes announced up to the Chancellor's voice giving way include the following: Incometax: No change on those under £3,000, except a special abatement of £10 per child (under sixteen) for parents with under £500 a year; super-tax of sixpence in the £ on incomes over £5,000; motor-cars, new tax, 6½ h.p. £2 2s. rising to £42 for 60 h.p.; doctors' cars half-rates; motor-cycles. £1; motor petrol, twopence per gall., with rebate of halfpenny on that used for commercial motors. Death duties raised in some particulars.

FIGURES IN THE PHARMACEUTICAL WORLD

AT the age of seventy-one Mr. Lewis Henry Teare continues to serve his fellow pharmacists in the Midlands as a member of the Birmingham Pharmaceutical Committee, as chemists' representative on the Executive Council for Smethwick, as a member of its finance and general purposes, and pharmaceutical service committees, and as a director of Associated Chemists (Birmingham), Ltd. He also takes an active, if not now full-time, part in the business at Smethwick he acquired in 1926 and of which, now a limited company, he and his son, Mr. B. J. Teare, M.P.S., are the directors. He is entitled to feel, therefore, that he is justified in taking things a little more easily than in the past ten years, during which he has been a member of the Executive Committee of the National Pharmaceutical Union, including a year as its chairman (1954–55). In that year, it will be recalled by N.P.U. members in the North and West, he ably and agreeably presided at area conferences at Harrogate Southport and Llandudne.

gate, Southport and Llandudno.

A Manxman, Mr. Teare has always had a strong sense of being a privileged guest in the part of Britain in which he was gaining his livelihood. and of being accordingly under a moral obligation to repay, by serving his pro-fessional colleagues, the hospitality he was accorded as, so to speak, a settler. The confidence which his fellow pharmacists in the Midlands have so long shown in him has been rewarded by a loyalty and warmth of devotion to their interests that made themselves apparent at those area conferences and, indeed, throughout his ten years at Queen Square. Mr. Teare's career has not fol-Square. Mr. Teare's career has not followed an easy path and perhaps it is the feeling that they would never be let down by one who has "come up the hard way" that has given his fellows such unwavering confidence in him as their representative. Born at Peel, Isle of Man. on August 3, 1888, Mr. Teare would have liked to take up medicine as a career if family finances. medicine as a career if family finances had allowed. He showed some proficiency in inorganic chemistry at the Higher Grade school at Douglas and gained a distinction in chemistry in the Senior College of Preceptors examination. A pharmaceutical apprenticeship seemed the next best thing and he was seemed the next best thing and he was accordingly indentured for three years at the pharmacy of T. S. Qualtrough, Douglas—a seaside business of which a feature was the photographic department. Mr. Qualtrough was secretary of the local camera club in the days when Imperial Rapid plates were bought at ninepence per doz. and sold at a shilling, and amateur photographers were allowed to change their plates in the pharmacy's dark room at a fee of threepence a time. a fee of threepence a time.

At nineteen, his apprenticeship completed, Mr. Teare left the island and took a post at Marsons, Stafford (salary 26s. 6d., cost of lodgings 14s. per week). After other experience at Chester he enrolled as student at the Northern College of Pharmacy, Manchester ("Clayton's") and passed the Minor at the age of twenty-one in 1909. As pharmacist he held posts with



73. MR. L. H. TEARE

Charles F. Thackray, Ltd., Leeds, and with Boots, Ltd., in branches in the Midlands and then, at the age of thirty. went into business on his own account at Kings Heath, Birmingham. He sold it five years later to buy a business at Basingstoke. It was his first and only business in the south which, by reason of his upbringing, he found less congenial than the Midlands and North. So when opportunity offered to acquire the business of W. W. Adams, 36 Cape Hill, Smethwick, he readily seized it and has been there ever since, adding in 1931 a branch at Harborne. Birmingham. The first purchase was the cause of his entering pharmaceutical politics, for the late Mr. H. M. Tranmer (a founder member of the National Pharmaceutical Union) informed him that membership of the Smethwick Pharmaceutical Committee "went with the business." Four years later the late Mr. E. W. Mann prevailed upon him

to take an active part in the affairs of the Birmingham Pharmaceutical Association, of which he became president during one of the years of the 1939–45 war. That led, in turn, to his election to the N.P.U. Executive, to which he was returned on the very day that Mr. H. Noble took over as secretary.

Mr. Teare's service to pharmacists has been of a solid and practical kind. His devotion is to the individual chemist. He believes firmly that it is up to proprietor pharmacists to engineer their own survival, and that their principal hope for the future lies in such joint enterprises as the one, modelled on that set up in Sheffield, in which Mr. Teare proved his belief by investing capital and undertaking a share of direction. Birmingham, Smethwick, the Midlands generally and indeed the country as a whole may congratulate themselves that they have men of Mr. Teare's calibre to champion their cause.

NATURAL PRODUCT CHEMISTRY

Dr. J. B. Stenlake reviews recent progress in that field

AT an evening meeting of the Pharmaceutical Society in London on April 8, Dr. J. B. STENLAKE (senior lecturer in pharmaceutical chemistry, Royal College of Science and Technology, Glasgow) spoke about traditional and new techniques in the investigation of natural products. The Chairman (Dr. William Mitchell) gave a special welcome to Professor Arthur Stoll, who was visiting London from Switzerland, and whose work upon the cardiac glycosides was, he said acknowledged inter-

nationally. Dr. Stenlake said that techniques should be considered as methods either of isolating active ingredients or of chemical investigation. The two might, in practice, overlap. The biological sources of raw materials must be adequately confirmed, and sometimes that required investigation overseas. Whenever possible the phytochemist should use fresh plant material. Most research workers had the motive of discovering new therapeutic substances, but many other compounds yielded information that could be of high value. He cited ergosterol, which gave rise to the synthesis of calciferol and cholesterol; and diosgenin or hecogenin, from which progesterone or cortisone could be produced. Biosynthesis had already been recognised as a means of discovering the structure of terpenes, sterols, alkaloids, etc. Biogenesis had not been used to predict, but did provide confirmatory evidence of, chemical structures investigated by other methods. Examples quoted by the speaker included fatty acid elaboration from acetic acid residues through β -keto acids, with eventual chain extension. The process had, he said, explained oxygen functions in antibiotics such as griseofulvin. Similarly tetracycline antibiotics showed a biosynthesis consistency, suggesting their derivation from acetate or propionate precursors. Magnamycin might arise from the rearrangement of a precursor protomagnamycin, which appeared to have a linkage with the tuberculostearic acid of the tubercle bacillus.

Solvent Extraction

The speaker passed on to chemical isolation, discussing solvent extraction. Pilot work indicated that there was an optimum pH for each extraction, but organic acids and bases were not readily extracted in their ionised form. For that reason alkaloid material was subjected to ammonia or lime treatment before extraction, though it must be remembered that acid- or alkalilabile substances would suffer and might be lost in the isolation process.

A classical extraction technique depended upon partition between immiscible solvents, but closely related substances presented peculiar difficulties. Multiple discontinuous liquid/liquid extraction had been performed in counter-current distribution apparatus involving the use of up to 200 equilibration cells connected in series and arranged upon a rocking and rotating unit. Dr. Stenlake explained

the method of use of the apparatus and the complex cell extraction brought about by its design. M commercial apparatus for the purpose, he said, could be semi- or totally-auto-Passing to the new Whatman matic. ion-exchange cellulose, which incorporates combined partition and ionexchange procedures, he explained how the addition of acid or alkali to the organic solvent would suppress ionexchange properties, thus allowing a solution to be run in one direction with the paper functioning for phase-partition and in the opposite direction as an ion-exchanger. Ion-exchange resins were being used for the extraction of alkaloids from plant tissues. Shaking with acidic resin yielded within fifteen minutes 80 per cent. of available alkaloid, and the separation of resin from drug was secured by back-washing on a column of water and eluting the active constituent with ammonia in ethanol. The method might yield a mixture of alkaloids, according to the plant under investigation, but the constituents might be separated by using ammonia-formic-acid buffers as an eluent, at a pH between 2 and 10. Residual ammonium formate was removed by eluate evaporation and subsequent volatilisation in vacuo at 50° C.

Isolating Antibiotics from Media

Ion-exchange resins in the form of a membrane might be used for electrodialysis. Cation-exchange resins were impermeable to anions and, conversely, anion membranes were impermeable to cations. The speaker showed a diagrammatic representation of an apparatus, which showed, he said, good potentials as a method of isolating antibiotics from culture media. Complexes of proteins and polysaccharides had been resolved using electrophoresis, a high resolving power being secured by using electrophoresis upon a starch Recent work upon serum proteins had enabled adult human serum to be classified into three groups according to presence of new protein components with the power to bind hæmoglobin. Type I contained α protein; type II less of that constituent but an additional content of three $\alpha\beta$ proteins; type III was differentiated by a modification in the speed of migration of those $\alpha\beta$ proteins.

The speaker next dealt wiht the limitations and uses of modern physical aids in the analysis of chemical structure-techniques that had revolutionised procedures but had not totally excluded chemical methods. Carbonyl compounds with double bonds showed strong absorption in infra-red spectra at frequencies 1680-1800 cm-1. Different groups demonstrated, according to their nature and molecular environment, characteristic absorption regions. Unfortunately overlapping occurred and a particular curve might indicate more than one type of grouping. Absorption spectra in the 175 and 200 mµ ultraviolet bands had recently been studied, using a double-beam photo-electric system with fluorite optics. Current

commercial single-beam apparatus equipped with fused silica optics had enabled an extension of working range down to 185 m μ , with a resulting wider application in the investigation of steric strains of cyclic imides and the degree of substitution of ethylenic bonds. Those applications amounted Those applications amounted to an adjunct to existing techniques, but greater specificity was obtained from detailed stereochemical work—as illustrated by the structural examina-tion of calciferol. Discrimination between alternative formulæ for that substance was eventually achieved by application of x-ray crystallography. Despite the successes of that technique, it suffered from the need to have a heavy atom in the molecule in order to achieve phase-determination reference. The inability of the apparatus to "dissect" hydrogen atoms had been overcome by the use of nuclear magnetic resonance spectroscopy with that facility, which depended upon the property of certain atomic nuclei to orientate themselves with reference to a molecule under the influence of a strong magnetic field. Dr. Stenlake explained the theory of the method and also of proton resonance spectroscopy, eventually passing to the re-newed interest in optical rotatory dis-persion. In closing, he referred to the replacement of many natural drugs in the Pharmacopæia by synthetic, welldefined chemicals; the study of natural products demanded attention.

In the discussion that followed Dr. Stenlake told Dr. G. E. Foster that he knew of no simple method of testing crude drugs for their degree of exhaustion. Dr. Glenn referred to the difficulty of elution in starch-gel electrophoresis, and spoke about seemingly anomalous reactions in the siting of the double bond in lysergic acid. Dr. Stenlake said the question provided a happy opportunity to call upon Professor Stoll, in whose laboratory the work had been executed. Professor Stoll congratulated the speaker upon his brilliant address, and said how pleased he was that his visit to London coincided with the meeting. Dealing with Dr. Glenn's question he explained reactions that suggested there were apparent anomalies in the placing of the lysergic acid double bond.



DRUGS ON DISPLAY: By request a display of drug sources was put on at the Oxford Street, London, store of Selfridge & Co., Ltd., by Parke, Davis & Co., Ltd., Hourslow, on the occasion of the store's jubilee.

THE STEROID HORMONES

An address to Manchester Public Pharmacists

AN address on the steroid hormones was given recently to members of the Manchester Branch, Guild of Public Pharmacists, by MR. W. W. HESELTINE, F.P.S. (professional services director, E. R. Squibb & Sons, Ltd.). Mr. Heseltine said that the commercial production of the steroid hormones was made difficult by their occurrence in animals in only small amounts and by the costly and complicated processes often involved in synthetic manufacture. Chemical processes had, however, been greatly improved and microbiological methods introduced. Microorganisms that could readily carry out work which would involve several difficult chemical stages were now used in the production of steroids. The speaker discussed the various hormone groups, giving the following information:

ANDROGENS occur in the adrenal cortex and ovary, as well as the testis, and it is not strictly correct to term them "male hormones." Testosterone is relatively inactive orally and methyltestosterone potency is only one-third to one-quarter that of testosterone when injected intramuscularly. A newer, orally active androgen, fluoxymesterone (which may be regarded as methyltestosterone with a fluorine atom at the 9α -position and an 11-hydroxy-group) appears to be at least five times as potent as methyltestosterone in both androgenic and protein-anabolic pro-perties. There are also modified steroids in which the ratio of anabolic to androgenic activity is increased. Nore-thandrolone, or 17α-ethyl-19-nortestosterone, has anabolic and progestogenic properties but relatively weak androgenic activity, while the corresponding 17α-methyl-compound appears to be less active as an anabolic agent and is probably of greater interest as an oral progestogen.

Female Sex Hormones

OESTROGENS are responsible for uterine muscle growth, proliferation of the endometrium, and development of the female secondary sex characteristics. Large doses suppress pituitary activity and inhibit ovulation. Oestrogens also cause retention of calcium and phosphorus and induce a moderate degree of protein anabolism. The effects of intramuscular æstradiol are prolonged when the monobenzoate is used and may persist for about three weeks when the valerate is given.

Physiologically Progesterone prepares the æstrogen-primed, or proliferative, endometrium for the embedding of the ovum if fertilisation occurs and also slows uterine contractions. Progesterone has to be given intramuscularly at fairly frequent intervals, and the search has been made for longeracting parenteral preparations and for orally active compounds. One compound of interest is 17α -hydroxyprogesterone caproate. Free hydroxyprogesterone has only slight activity but the caproic acid ester has both high and prolonged activity. Ethisterone is well known as an oral progestogen, but it has rather less than one-fifth the

activity of intramuscular progesterone. Whilst 17α - ethyl - 19 - nortestosterone (norethandrolone) is of interest mainly as an anabolic agent, the 17α -methyl derivative (methandrone) and the 17α -ethinyl compound (19-norethisterone) exhibit potential properties as oral progestational agents. Significant progestogenic activity is also shown by 17α -ethinyl-5(10)-oestrenolone.

Corticoid Substances

The principal ADRENOCORTICAL HOR-MONES are subdivided into glucocorticoids which influence carbohydrate metabolism and mineralocorticoids which regulate the electrolyte balance. That classification is arbitrary because glucocorticoids like hydrocortisone have significant activity on electrolyte balance, whilst aldosterone, the most active mineralocorticoid secreted by the adrenal cortex, has appreciable effect on sugar metabolism. The principal actions of cortisone and hydrocortisone, which form the basis of their therapeutic applications and undesirable effects, are that they raise the blood sugar level by decreasing the utilisa-tion of glucose and by converting amino-acids into glucose; maintain urinary output; increase resistance to stress; suppress inflammatory response; reduce capillary permeability; exert a pronounced anti-allergic effect; favour the spread of infection; because of their mineralocorticoid activity, cause the retention of sodium and elimination of potassium; and are also capable of modifying the psychological state.

Because of the potential clinical hazards of cortisone and hydrocortisone, research has been devoted to the development of steroids with fewer or less severe undesirable effects. Many avenues have been explored, but two routes have proved most profitable. In 1953 Fried and Sabo reported that halogenation at position 9 of the steroid ring resulted in enhanced potency. The most active halogenated derivative proved to be 9α-fluorohydrocortisone which is more potent than hydrocortisone as a glucocorticoid and even more active as a mineralocorticoid. Fludrocortisone, as it is now generally termed, has an established place in the treatment of Addison's disease and in the maintenance of adrenalectomised patients. A 0-1 per cent. ointment or lotion is used widely in allergic, in-

flammatory and pruritic conditions. It was reported in 1955 that the addition of an unsaturated linkage between carbon atoms 1 and 2 of cortisone and hydrocortisone increased activity. the introduction of that double bond, cortisone gave rise to prednisone and hydrocortisone yielded prednisolone. Those delta-1 derivatives are about 4-5 times more active than cortisone and hydrocortisone as antirheumatic and anti-inflammatory agents, but less acas mineralocorticoids. Consetive quently their dosage is smaller and their tendency to cause sodium and water retention is reduced. Unfortunately, other undesirable effects are not

modified so significantly.

Many other compounds have been prepared in the search for safer and more effective corticosteroids. One new steroid which has now been subjected to extensive clinical study is 9α-fluoro- 16α -hydroxyprednisolone, or triamcinolone, which does not cause retention of sodium and water. It produces little or no psychic alterations and has been reported to cause gastro-intestinal disturbances and peptic ulcer less frequently than the earlier corticosteroids. The new steroid may be an example of selective enhancement of specific activities. In rheumatoid arthritis, potency ratios of the order of 5:4 or 3:2 in favour of triamcinolone have been noted, but in allergic and inflammatory conditions triamcinolone has been reported to be 2 or $2\frac{1}{2}$ times as potent as prednisolone. Triamcinolone acetonide shows a high order of glucocorticoid and anti-inflammatory activity without any apparent sodium-retaining properties and has proved effective by topical application. 16-methyl-9α-fluoroprednisolone (dexamethasone or hexadecadrol) is reported to be potent in suppressing corticotrophin secretion without inhibiting the elaboration of aldosterone by the adrenal cortex. Its antirheumatic activity has been assessed at about six to seven times that of prednisolone. Many other compounds have been prepared and studied but it is uncertain whether they will find a place in medicine. Animal studies give a preliminary indication of potentiality, and proper evaluation is dependent on clinical trials over several years. The investigation of undesirable effects is important because the simultaneous enhancement of wanted and unwanted properties represents no medical advance, though there may be economic advantage if the modification results in reduced costs of treatment.

NON-PROPRIETARY NAMES

Guidance from World Health Organisation

GUIDANCE upon the procedure for selecting and devising non-proprietary and international names is given in the W.H.O. Chronicle for March (Vol. 13. No. 3) now to hand. Proposals should be submitted on the appropriate form to the Director General of the World Health Organisation. Consideration by the Expert Committee entails publication of the proposed name to permit comment or formal objection within four months. To assist proposers the following suggestions are advanced:—

1. Names should, preferably, be free

from any anatomical, physiological, pathological or therapeutic suggestion. 2. Names should be distinctive in sound and spelling. They should not be inconveniently long and should not be liable to confusion with names already in use. 3. The addition of a terminal capital letter or number should be avoided as far as possible. 4. Names proposed by the person discovering or first developing and marketing a pharmaceutical preparation, or already officially adopted in any country, or used in national pharmacopœias, or in works of refer-

ence such as "New and Non-official Drugs," should receive preferential consideration. 5. Cognizance should be taken of the names of closely related substances and, where desirable, the name should show that relationship. 6. An attempt should first be made to form a name by the combination of syllables in such a way as to indicate the significant chemical groupings of the compound and/or its pharmacological classification. Preference should be given to the syllables shown in the table. When a name has been approved it is suggested that W.H.O. member States should prohibit registration of the name as a trade mark and prevent the acquisition of proprietary rights in the name.

Lann	English	rrench	l l
inum	íne	ine	for alkaloids and organic bases
olum	ol	ol	for alcohols and phenols (-OH group)
alum	al	al	for aldehydes
onum	one	one	for ketones and other substances containing the
enum	ene	ène	for unsaturated hydrocarbons
anum	ane	ane	for saturated hydrocarbons
cainum	caine	caïne	for local anæsthetics of the procaine type
mer	mer	mer	for mercurial compounds
sulfonum	sulfone	sulfone	for sulfone derivatives
quinum	quine	quine	for antimalarial substances containing a quinoline group
crinum	crine	crine	for antimalarial substances containing an acridine group
sulfa	sulfa	sulfa	for derivatives of sulfanilamide having an anti- bacterial action
díonum	dione	dione	for anti-epilepties derived from oxazolidinedione
toinum	toin	toine	for anti-epileptics derived from hydantoin
stigminum	stigmine	stigmine	for anticholinesterases of the physostigmine (escrine) type

WEST OF IRELAND CHEMISTS CONFER

Annual meeting attended by representatives of six areas

REPRESENTATIVES from Galway, Mayo, Sligo, Roscommon, Leitrim and Westmeath attended the annual meeting of the West of Ireland Chemists' Association held at Garrick-on-Shannon, co. Leitrim, on April 5. The president of the Association (Mr. J. P. O'Donnell, Charlestown) was in the chair. A long discussion took place on veterinary matters, and approval was expressed of the action taken by the Pharmaceutical Society of Ireland, and of the Irish Drug Association, in connection with a recent announcement in a Press advertisement, that a new veterinary product was not to be distributed through pharmacists.

Health Act Problems

Some of the difficulties due to the administration of the Health Act came up for discussion, and on the suggestion of Mr. H. P. Corrigan (president of the Pharmaceutical Society of Ireland) members agreed to continue to participate in the limited scheme operated by pharmacists. It was agreed that the annual dance in aid of the Society's Benevolent Fund, organised jointly by the West of Ireland Chemists' Association and Westmeath Pharmaceutical Federation should be held in Athlone and Mr. Seamus Fox was requested to arrange, if possible, for the booking of the hall for the evening of Decem-

ber 30. Mr. Fox was also empowered to form a committee from members of the two associations.

Toasts at Dinner

The meeting was followed by a dinner. The toast to the Pharmaceutical Society of Ireland was proposed by MR. M. DURCAN, Ballina, co. Mayo, who stressed that if every chemist realised that the Society was always available to help members, every pharmacist in the country would become a member. Mr. Durcan also paid tribute to the "men at the helm" who devoted so much of their time to looking after the interests of their colleagues.

Replying, Mr. Corrigan (president of the Society), said it was a happy coincidence that the most recent addition to the Council of the Society also was president of the Association. Mr. O'Donnell was a man who was listened to with respect at all times, but when he had the weight of the West of Ireland Chemists' Association behind him he would be a formidable force indeed. The Council was sorry to lose the services of another member of the Association, Mr. Tony Toher. Mr. Toher had thought that he would be unable to give the time to the Council necessary to discharge his duties, so he had decided rather than fill the office inadequately to resign in the interests of the Society. "That," said the president, is a further example of the spirit of the men of the West, and we respect Mr. Toher for it."

The toast to the Irish Drug Association was proposed by MR. R. KILGAR-RIFF, Tuam, and was responded to by MR. P. McAULIFFE (president of the I.D.A.) who paid tribute to the initiative and cohesion of the members of the West of Ireland Association. He often wished, he said, that he were a member of the Association so that he might be able to participate in its activitics.

Secret of a Good Association

The toast to the West of Ireland Chemists' Association was proposed by MR. JAMES G. COLEMAN (registrar. Pharmaceutical Society of Ireland) and responded to by MR. O'DONNELL who thanked the registrar for the manner in which he had directed attention to the work being done by his colleagues. He agreed that the secret of a good association was participation by the younger members so that they would be able to acquire the experience necessary to fit them for the responsibilities of office in due course.

A letter of apology for absence because of illness was received from the secretary of the Irish Drug Association

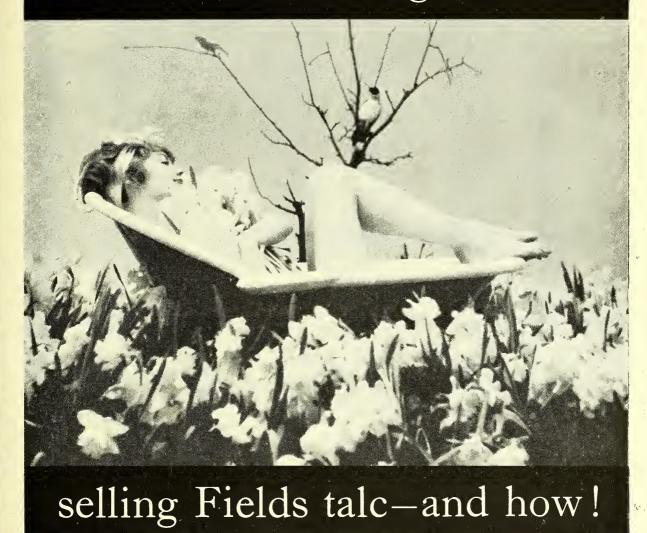
(Mr. Brendan Smith).





At left, the secretary of the West of Ireland Chemists' Association (Mr. P. Cassidy) is joined in conversation by three presidents: Mr. H. P. Corrigan (Pharmaceutical Society of Ireland), Mr. J. P. O'Donnell (West of Ireland Association and a member of the Society's Council), and Mr. P. McAuliffe (Irish Drug Association); at right, Mr. J. G. Coleman (the Society's registrar, centre) is seen with Mr. C. Ward, Crossmolina, and Mr. S. E. Fox, Athlone.

Picture of a girl



The biggest-ever advertising campaign for a talcum powder is now running in woman, woman's own, woman's day, woman's realm and woman's illustrated. In full pages and half pages of colourful, persuasive advertising, it features a fetching girl, a host of golden daffodils and the Fields hip bath.

Put Fields on display!

Delightful point-of-sale displays will be given to you by our representatives so that you can get the full benefits of this powerful, irresistible campaign. Put Fields talcs on your counters and in your windows — get those impulse purchases and increase your sales.

Special Bonus Offer now!

Don't miss the generous display bonus available from 13th April to 1st June. Ask the Fields representative now for all details.



TALCUM POWDER

J. C. & J. FIELD LIMITED, BOND STREET, LONDON Established 1581 (All enquiries to P.O. Box 482, Manchester)

NEW

A safe and sure hypotensive agent

- no depressant action on the

central nervous system

no fatigue or drowsiness

DECASERPYL

10 - methoxy - deserpidine

Indications ESSENTIAL HYPERTENSION

Moderate hypertension at the menopause.

Long-standing, non-progressive hypertension.

For ambulant patients and prolonged treatment,

Decaserpyl is a treatment of choice by

virtue of its freedom from depressant

effects on the nervous system.

Dosage

Usually, 3-5 tablets (15-25mg.) daily in divided doses half an hour before meals.

Packing

Tablets of 5 mg. Bottles of 20 and 100.



LONDON, N.W.10 LADbroke 6611

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 29: Interest in MENTHOL continued during the week and the price of Brazilian material rose by about 1s. 6d. per lb. both on the spot and forward. In the absence of demand IPECACUANHA prices remained steady at the lower levels.

No definite offers of Portuguese ERGOT were received for shipment but a small parcel was offered on the spot at 7s. 3d. per lb. Cochin GINGER for forward delivery was quoted 10s. per cwt. higher than in the previous week and thus extended the margin between it and spot values. GUM ACACIA rose a further 10s. per cwt. to 165s, Some COCHINEAL was easier and East African PAPAIN dropped 1s. 6d. per lb. for shipment. AGAR continued firm with origin asking sixpence per lb. more at 11s. 3d., c.i.f.

Several ESSENTIAL OILS continued to move upwards, they included Bourbon GERANIUM up 5s. per lb.; Penang PATCHOULI, up 7s. 6d.; Chinese SPEARMINT, up one shilling and Brazilian

PEPPERMINT up threepence.

In Pharmaceutical Chemicals a cut of about 4s. per kilo was announced by one manufacturer in the price of Phenobarbitone; the sodium salt was not affected. Lower prices for Pentobarbitone and Pentobarbitone sodium were also announced. Zinc oxide advanced £2 per ton throughout the schedule.

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d.

ALUMINIUM HYDROXIDE. — One-cwt. lots of B.P.C. 1943 are 3s. 3d. per lb.

Aneurine hydrochloride.—1-kilo quoted at £11 15s, and 10-kilo lots at £11 7s, 6d, per kilo.

ASCORBIC ACID. — Rate per kilo: 1 kilo, £4 2s.; 10 kilos, £3 18s. 6d. SODIUM ASCORBATE is offered at the same prices.

CALCIFEROL.—B.P. is 3s. 3d. per gm. for 1-kilo lots.

CALCIUM PANTOTHENATE.—Price per kilo is £9 12s. 6d.

CHALK. — Prepared powder B.P., is £22 per ton for minimum 1-ton ex works.

CHLORAL HYDRATE, — In 1-cwt. lots the price is about 4s. 3d. per 1b.

CORTISONE.—(Per gm.), ACETATE, 13s. 9d. for 1-kilo lots; Hydrocortisone acetate of alcohol, 16s.

LONDON EXCHANGE RATES

At the opening on Wednesday

Alexandria. Piastres to £ 97\frac{1}{4}-97\frac{1}{4} \]
Amsterdam Florins to £ 10-48-10-80

*Bornbay Shillings to rupee 1/5\frac{1}{8}-1/6\frac{1}{16} \]
Brussels Francs to £ 137-96-142-05 Copenhagen, Kronor to £ 19-06\frac{1}{2}-19-62 Frankfurt D Marks to £ 11-59\frac{1}{4}-11-92\frac{1}{4} \]
*Clong Kong Shillings to \$ 1/2\frac{1}{4}-1/2\frac{1}{4}\frac{1}{8} \]
*Karachi Shillings to

Free market rates; remainder Bank of England Bank rate: 4 per cent, from November 20, 1958. CYANOCOBALAMIN. — 25-gm. lots are £47 10s. per gm., and 1 gm. £50.

ERGOMETRINE. — For 20-gm. lots the price of the MALEATE, B.P., is £17 10s. per gm. and the TARTRATE, £16 5s. per gm.

ERGOTOXINE ETHANESULPHONATE. — Price per gm. for B.P.C. (1949) is: 1 gm., 68s. 9d.; 10 gm., 155s. 3d.

ETHER. — Prices (per lb.) in winchesters are as follows:—TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1½d. litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt. 3s. 9d.

FOLIC ACID.—B.P. and U.S.P. are offered on the spot at 1s. 6d. per gm. for 1-kilo lots.

FORMALDEHYDE. — B.P. solution in 1-4-drum lots is £39 15s. per ton; 5-drum lots are £38 15s. per ton.

GLYCERIN. — Rates for pharmaceutically pure (s.g. 1·2627) are now:—

Annual	ī		1 cv	٧t.	15 cv	νt.	1 to	on	5 to	ns
purchases	Unc	ler	and		and		and		and	
or spot	1 cv	٧ŧ.	under		under		under		under	
lots of			5-cwt.		1 ton		5 tons		25 tons	
Per cwt.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
TINS					l					
14-lb,	259	0	256	6	252	6	248	0	245	6
28-lb.	255	0	254	6	250	6	246	0	243	6
56-lb.	-	-	250	6	246	6	242	0	239	6
DRUMS					1					
1-cwt	261	0	234	6	230	6	226	0	224	6
2½-cwt.	_	-	231	6	228	0	223	6	222	0
5-cwt.			-	.	227	6	223	0	221	6
10-cwt			_	-	226	6	222	6	221	0

For 25 tons and upwards the price is from 220s, to 245s, 6d, as to containers. Bulk deliveries in tank wagons from 217s, 6d, to 218s, 6d, Technical grade glycerin, s.g. 1·2627, is 5s, per cwt. less than the above.

GLYCYRRHETINIC ACID.—Per gm., 2s. 3d.

GUAIACOLS.—LIQUID B.P. is 16s. 3d. per lb. for 28-lb. lots; crystals, 16s. 9d.; carbonate, 18s. 3d.

HEXAMINE.—B.P. is 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs. Technical is threepence per lb. under those rates.

rates.

Iron Salts. — Gluconate, B.P.C., is 6s. 3d. per lb. in 1-cwt, lots; sulphate, B.P. crystals are 9½d. per lb. in 28-lb. lots; 1-cwt. is 57s. 6d. per cwt. and 5-cwt., 52s. 6d. per cwt.; sulphate exsiccated is 1s. 5d. per lb. for 28-lb., 1-cwt., 123s.; 5-cwt., 113s. per cwt., 1-cwt. fibre kegs free. Other packages extra. Phosphate, B.P.C., 28-lb., 3s. 6d. per lb.; 1-cwt., 3s. 3d. Phosphate, Saccharated, B.P.C., 28-lb. lots are 3s. 9d. per lb.; 1-cwt., 3s. 6d. Oxide, red precipitated, B.P.C., 1949, 1-cwt., 2s. 1d. per lb.; Carbonate, Saccharated, B.P.C., 1949, 28-lb., 3s. 3d.; 1-cwt., 3s. Ammonium citrate, scales, 6s. 6d. per lb.; granular, 5s. 9d. Ammonium sulphate, 1-cwt., 1s. 10d. per lb. Quinine citrate, 2s. 1d. per oz. in 100-oz. tin.

ISOPRENALINE SULPHATE.—B.P. is 1s. 3d. per gm. for 1,000-gm. lots and 1s. 9d. per gm. for 100-gm. lots.

KAOLIN.—In 1-cwt. bags LIGHT is quoted at 60s. per cwt. and 1-ton lots at 57s.

LACTIC ACID. — B.P. is 4s. 5d. per lb. for 12-winchester lots and 4s. 4d. for 5-cwt. lots.

LEAD ACETATE. — B.P. crystals are 200s. per cwt. and technical, 180s.

MANDELIC ACID.—In 1-cwt. lots the price is 12s. 6d, per lb., with the CALCIUM SALT also 12s. 6d. SODIUM MANDELATE is 13s.

and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

MENAPHTHONE. — B.P. is £8 per kilo; ACETOMENAPHTHONE, B.P., £8; WATER-SOL-UBLE (menadione sodium bisulphite, U.S.P.), £9 per kilo.

METHYL SALICYLATE. — Five-ton lots are 3s. per lb.; 1-ton, 3s. $0\frac{1}{2}$ d.; 10-cwt., 3s. 1d.; 5-cwt., 3s. 2d.; 1-cwt., 3s. 3d.

NICOTINAMIDE. — Prices per kilo are now: 1 kilo, 65s.; 10 kilos, 62s.; 50 kilos, 61s.

NICOTINIC ACID. — Prices per kilo are 43s. for 1-kilo and 40s. for 50-kilo lots.

PARALDEHYDE. — B.P. in 12-winchester lots is 2s. 7d. per lb.; 10-gall. carboy, 2s. 2d., and 5 carboys, 2s. Stabilised in 40-gall. drum lots, 166s. per cwt.; technical, 149s. per cwt.

Pentobarbitone.—Minimum 25-kilo lots are 115s. per kilo and sodium, 120s.

PHENACETIN. — In 5-cwt. lots makers' price is 6s. 8d. per lb.; 1-cwt., 6s. 9d.

PHENAZONE. — Imported material minimum rate, 13s. 10d. per lb.

PHENOBARBITONE. — Under 50-kilo lots are 45s, per kilo; the sodium salt is unchanged at 55s, 6d.

PROCAINE HYDROCHLORIDE.—100-kilo lots are about 45s. per kilo.

PYRIDOXINE. — Manufacturers' rate for 1 kilo is £75 per kilo; 10 kilos, £72 10s.

RIBOFLAVINE. — 1-kilo is £47 17s. 6d.; 10-kilo lots, £14 10s. per kilo.

SACCHARIN.—In lots of 1 lb. and over B.P.C. powder is quoted at 99s. 10d. per lb., the SODIUM SALT is 80s. 10d. per lb. Prices include duty and carriage.

Salicin.—Quoted at 17s. 6d. per oz.

SALICYLAMIDE.—Price per lb. for 1-cwt. lots is 8s. 6d.

Semicarbazide hydrochloride.—Technical grade is 15s. 8d. per lb. for 1-cwt. lots.

SULPHUR.—(Per ton in 1-ton lots), B.P. PRECIPITATE, £112 10s.; SUBLIMED, B.P. £47 10s.; POWDER, 100 mesh, £25 10s.

Tannic acid.—The B.P. levis, ex ether is quoted at 10s. per lb. for 1-cwt. lots. The B.P. powder is 9s. 6d. per lb. in 1-cwt. lots.

TARTARIC ACID. — Rates for the home trade are as follows:—10-cwt. lots, 290s. per cwt.; 5-9 cwt., 292s.; 2-4 cwt., 294s.; 1-cwt., 295s.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are 15s. 9d. per lb.; 28-lb., 14s. 6d.

TERPIN HYDRATE. — Prices are from 6s. per lb. upwards as to quantity.

TERPINEOL. — Prices of B.P. grade are from 3s. to 3s. 6d. per lb. as to quantity.

UREA. — Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44 10s. per ton.

VITAMIN A. — Synthetic. Supplied in concentrate 1 million international units per gm, as acetate or palmitate the price is 9\frac{1}{2}d. per million i.u.

VITAMIN D₂. — In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline: see under calciferol.

VITAMIN E (synthetic). — TOCOPHERYL ACETATE, B.P.C., 25 gm. to 100 gm., 1s. 1d. per gm.; 100 gm. to 1 kilo, 11d. per gm.; 1 kilo and under 10 kilos, £42 per kilo; 10 kilos, £41 per kilo.

Zinc oxide. — Dearer. B.P. quality in 2-ton lots is £109; 1-ton, £110; 10-cwt.,

Crude Drugs

ACONITE. — Spot supplies of Spanish napellus are 2s. 6d. per lb.

AGAR. — Kobe No. 1 is 11s. per lb., in bond; new-crop for shipment, 11s. 3d., c.i.f.

ALOES. — Cape prime on the spot is 215s, per cwt. and for shipment, 185s., c.i.f. Curação, 500s., spot.

ARECA. — Selected round nuts 125s. per cwt., spot.

BALSAMS. — Quotations per lb. are:— CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d., duty paid. PERU: Scarce at origin. Spot, 10s. in bond. Tolu (genuine as imported): 17s. 6d., spot and 16s., c.i.f.; B.P., 15s.

BELLADONNA. — Herb is 8s. 3d. per lb. on the spot. Root is 1s. 6d. spot; shipment, 1s. 3d., c.i.f.

BENZOIN.—Sumatra block on the spot is £22 to £28 as to quality.

CALABAR BEANS.—Spot offering at 1s. 7½d. per 1b.

CALAMUS.—Root is quoted at 1s. 4d. per lb., c.i.f.

Camphor. —Chinese Powder, B.P., is from 3s. 9d. per lb., duty paid. Tablets, 4-oz., are 5s. 6d. in bond.

CAPSICUMS. — East African are from 140s, to 175s, per cwt. on the spot.

CARDAMOMS. — Aleppy greens, spot, 14s, 6d, per lb.; forward shipment, 13s, 9d., c.i.f. Seeds, spot, 22s., shipment, 19s, 6d., c.i.f.

CHILLIES. — Spot Mombasa are 170s. per cwt.' and Zanzibar, 225s.

CLOVES. — Zanzibar on the spot are 3s. per lb.; shipment, 2s. 8d., c.i.f.

COCHINEAL.—Silver-grey Peruvian on the spot from 5s. 3d. to 6s. as to quantity; Canary Isles black-brilliant, about 16s. 9d.; silver-grey, 15s., spot.

COCILLANA,—Bark is 1s. 8d. per lb. on the spot.

COLOCYNTH PULP.—Spot, 2s. 9d. per lb. DIGITALIS LEAF.—Purpurea from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ELEMI.—Spot from 1s. $10\frac{1}{2}$ d. per lb.

ERGOT.—Portuguese is 7s. 3d. per lb. on the spot; shipment nominally 7s. 3d., c.i.f., per lb. Eastern European not offering.

Frangula.—Spot is 105s. per cwt.

GENTIAN. — Spot: French, 170s. per cwt.; Jugo-Slavian, 152s. 6d.

GINGER. — African, 120s. per cwt. spot and 105s. (new crop), c.i.f. Jamaican No. 3, spot, 257s. 6d. and shipment 230s., c.i.f. Cochin spot quoted 120s.; shipment 152s. 6d. c.i.f.

GUM ACACIA. — Kordofan cleaned sorts are 165s, per cwt. on the spot; shipment, 159s., c.i.f.

Henna.—Indian on the spot is 82s. 6d. per cwt., ex wharf.

HONEY. — Australian light amber is 110s. to 115s. and medium amber 100s. to 105s. Argentine, 100s. to 105s.; Jamaican 120s. to 125s.; New Zealand clover, 170s., nominal; all per cwt. on the spot.

Hydrastis.—Spot 28s. per lb.

IPECACUANHA. — Shipment (c.i.f.) Matto Grosso, 51s. per lb.; Colombian, 50s.; Nicaraguan, 67s.; Costa Rican, 71s. Spot Matto Grosso, 54s.

Krameria,—Root is quoted at 90s. per

Lanolin. — Anhydrous, B.P., is from 170s. to 175s. per cwt. in 1-ton lots and hydrous, B.P., 150s., free drums, delivered.

LIQUORICE. — Natural root: Persian on the spot is 50s.; for shipment, 42s. 6d., c.i.f., per cwt. Block juice: Anatolian and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt. Spray dried extract, 3s. per lb.

Mace. — Whole pale blade 23s. 6d. per lb. on spot.

MENTHOL. — Chinese is 62s. 6d. per lb. in bond; Brazilian, spot, 40s., in bond; April-May shipment, 39s, 6d., c.i.f.; Formosan, 43s. 6d., c.i.f.; and Japanese, 48s., c.i.f.

MERCURY. — Price per flask (76-lb.) is £79 on the spot.

NUTMEGS. — West Indian 80's 17s. per lb., spot; sound unassorted, 12s. 6d.; defectives, 8s. 9d.

ORRIS ROOT. — Florentine is 335s. per cwt.

PAPAIN.—East African, 17s, 6d. per lb., c.i.f., for grade one, spot, 20s. Belgian Congo and Ceylon No. 1 white, 16s., c.i.f.

PEPPER.—White Sarawak spot, 2s. 11d. per lb., May shipment, 2s. 10½d., c.i.f.; Black Sarawak, spot, 1s. 9½d., May shipment, 1s. 8¼d., c.i.f. Black Malabar new-crop for April-May shipment, 210s., c.i.f., quoted, spot, 225s.

Peppermint leaves.—Dutch, 2s. 2d. to 2s. 10d. per lb., c.i.f.

RAUWOLFIA.—Canescens, 3s. 6d. per lb., c.i.f.; Vomitoria, 2s. 3d., c.i.f.; Serpentina, 6s., c.i.f. asked.

RHUBARB. — Chinese small rounds 6s. 4½d. to 6s. 9d. on the spot.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9d. per lb. Shipment, 2s. 4d., c.i.f.

2s. 4d., c.i.f.

SEEDS.—(Per cwt.). Anise. — Spanish, 160s.; Turkish, 140s.; both duty paid. Caraway.—Dutch, 110s., duty paid. Celery.—Indian unchanged on spot at 165s., new crop, 132s. 6d., c.i.f. Coriander. —Moroccan, 50s., duty paid; old crop for shipment, 38s. 6d., c.i.f. paid. Cumin.—Iranian 25s., 6d. in bond and 270s., duty paid. Cyprian for shipment now quoted at 265s., c.i.f. Dill. — Indian selling at 75s., spot. The shipment price is reported dearer at 70s., c.i.f. Fennel. — Chinese, 140s., duty paid; Indian, 145s. Fenugree, 140s., duty paid; Indian, 145s. Fenugree, 140s., duty paid. The shipment price is 34s., c.i.f. Mustard.—English, 120s. to 125s. according to quality.

SENEGA. — Spot offered at 14s. 9d. per lb.; shipment, 14s., c.i.f.

SENNA. — *Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 10d. PoDs: Manufacturing (f.a.q.), 1s. 3\frac{1}{2}d. and hand-picked, 1s. 9d. to 2s. 2d. *Alexandria* pods: Manufacturing, offered from 1s. 6d. with hand-picked from 4s. to 6s. 6d.

SHELLAC.—F.O.T.N. 177s. 6d. per cwt., F.O. No. 1, 207s. 6d.; fine orange, 215s. to 267s 6d.

SLIPPERY ELM. — Grinding quality bark is 2s. 7d. per lb.

SQUILL. — White is quoted at 85s. per cwt. on the spot.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid, 94s., c.i.f.

STYRAX. — Spot, 27s. per lb. shipment, 23s. 9d., c.i.f.

Tonquin Beans.—Para on the spot are offered at 8s. 8d. per lb. Angostura, 11s.

TRAGACANTH. — No. 1 ribbon is £115 to £120 per cwt. No. 2, £105 to £110.

TURMERIC. — Madras finger is 85s. on the spot. Shipment is from 79s. to 83s.

Valerian root. — Spot: Indian (with rootlets) is 130s. and Belgian, 175s. to 195s. per cwt. Dutch (max. 2½ per cent. sand) for prompt shipment, 159s., c.i.f.

Vanillin. — Rates (per lb.) are now:—5-cwt. lots, 23s. 3d.; 1 cwt., 23s. 6d.; 56-lb., 23s. 9d.; smaller quantities, 24s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 480s.; shipment, 465s. c.i.f. Abyssinian, spot 450s. in bond; shipment, 410s., c.i.f. Benguela spot, nominal; shipment, 425s., c.i.f. CANDELILLA.—Spot 460s. CARNAUBA.—Fatty grey spot, 580s.; for shipment, 580s., c.i.f. Prime yellow, spot, 910s.; shipment, 885s., c.i.f.

Essential and Expressed Oils

ALMOND. — British oil is 9s. per 1b. Moroccan, 6s. 9d., in bond.

AMBER.—Rectified on the spot is 1s. 6d. per lb.

BERGAMOT. — Spot supplies are from 86s. 6d. per lb.

Bois DE Rose.—Brazilian is 14s. per lb. on the spot and 13s., c.i.f.

CAMPHOR, WHITE. — Chinese is 1s. 9d. per lb. in bond.

Cananga. — Spot is from 42s. 6d. to 45s. per lb.

CARDAMOM. — Price per lb. is from 330s, for English-distilled and 267s, 6d. for imported.

CEDARWOOD. — American rectified, 5s. per lb. spot.

CHENOPODIUM.—Spot value is 38s. per lb. for original containers.

CITRONELLA. — Ceylon, spot is 3s. 9d., shipment, 3s. 5d., c.i.f. Formosan, spot 4s., in bond, shipment, 3s. 9d., c.i.f.

Cod-Liver. — B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

EUCALYPTUS. — Australian 70 to 75 per cent. eucalyptol on the spot is 4s, 9d. per lb. 80-85 per cent., 5s. 6d. Spanish (70-75), 4s. spot. Chinese 3s. 6d. to 3s. 9d.

GERANIUM. — Bourbon is 137s. 6d. per lb. on the spot and 135s., c.i.f.

LAVENDER SPIKE.—Spanish is at 15s. to 17s. per lb. for original drums.

LEMONGRASS. — Spot 6s. per lb., and shipment, 5s. 10d., c.i.f.

PATCHOULI. — Penang is 37s. 6d., duty paid and 35s., c.i.f., per lb. nominal.

PEPPERMINT.—Arvensis: Chinese is 27s. per lb., spot nominal; shipment not offering. Brazilian advanced to 12s., spot and shipment, 11s. 6d., c.i.f. Formosan, 16s. 6d., spot; April-May shipment, 16s., c.i.f. Piperita: Italian "Mitcham-type from 42s. 6d. to 48s. 6d.; American, 27s. 6d. to 30s., as to origin.

Petitgrain.—Paraguay 18s. 6d. per lb., spot; shipment, 17s. 9d., c.i.f., nominal.

ROSEMARY.—Spanish is 8s. 3d. per 1b. on the spot for best quality.

SAGE.—Spanish is 10s. per lb.

SPEARMINT.—Offers of U.S.P. grade are from 37s. 6d. per lb., spot. Chinese, 29s., in bond.

Tangerine.—Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others 26s. to 28s. on the spot.

VETIVERT.—Spot is currently at about 80s. per lb.

YLANG YLANG. — Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, APRIL 28: Buying of IN-DUSTRIAL CHEMICALS continued highly satisfactory levels. Potassium PERMANGANATE in carlots was reduced to 29 cents a lb. for the U.S.P. grade, down a quarter cent, and to 25 cents for the technical grade, down one cent. Less than carlot prices were raised by four cents and two cents respectively. MENTHOL was strong with the Brazilian nominally \$5.85 a lb., up 60 cents, and the synthetic laevo also \$5.85, up 35 cents. Gum ACACIA advanced 2 cents to make the amber sorts 23 cents a lb. Higher per lb. among ESSENTIAL OILS were PIMENTO LEAF at \$2'20 (up 20 cents); PATCHOULI, \$4'85 (45 cents); CLOVE LEAF, \$1'25 (15 cents) and PETITGRAIN, \$2'45 (15 cents). Lower per lb. were FENNEL at \$2.80 (down five cents), and PINENEEDLE, \$2.60 (10 cents).

WORLD TRADE

Lower Brazilian Imports.—According to official Brazilian statistics, imports of chemical and pharmaceutical products in 1958 totalled 434,000 tons, a marked decline against 1957 when 720,000 tons were imported. The value (in million dollars) was 132 in 1958 against 144 the previous year.

West German Pharmaceutical Industry.—West Germany's output of pharmaceutical products during 1958 was worth D.M. 1,850 millions, the Association of the German Chemical Industry has announced. That was an increase of D.M. 125 millions or 7.3 per cent. over 1957. German exports of pharmaceutical products reached a value of D.M. 450 millions during 1958, an increase of 5 per cent. compared with the previous year. Of the total, 55.5 per cent. consisted of manufactured medicinal preparations. Imports of pharmaceutical preparations into West Germany during the year D.M. 6 millions higher at D.M. 126 millions. Three-quarters of the imports came from European countries, and those from Switzerland rose by 40 per cent. over the previous year. There were also substantial increases in imports from Denmark, Belgium, the Netherlands and Austria, but those from the United States fell. The Association stated that the probable reason for the fall in imports from the United States was that many American companies now manufactured in Germany.

Britain's Disquiet on Common Market.—Addressing the Council of Europe in Strasbourg in Strasbourg on April 27, Mr. Reginald Maudling (Paymaster General) said that if the present deadlock on the Free Trade Area continued the non-Common Market countries would have to seek trade in other directions. They were ready to make many sacrifices to achieve compromise on such matters as the definition of the origin of imports and harmonisation of social policies "provided these do not involve political sacrifices." In Britain both the Government and Opposition agreed that it was not a practical proposition for her to join the Common Market treaty. "We cannot bind countries with whom we have 86 per cent. of our trade with countries with whom we have only 14 per cent.," he said. He then rejected the "fallacious" suggestion that the other European countries were trying to obtain the benefits of the Common Market without being prepared to accept its sacrifices. Turning to the future he said that temporary bilateral arrangements to mitigate discrimination were not sufficient and that a single multi-lateral system for Europe in conformity with the General Agreement on Tariffs and Trade was necessary and possible. The Assembly passed a resolution calling on its fifteen member Governments to sign a "declaration of intent" to form an association guaranteeing free trade in Europe. The resolution, said the declaration, should be submitted immediately to national Parliaments and signed by the end of the year. The resolution also called on Governments urgently to resume negotiations for a free trade area.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," April 8

For photographic and cinematographic apparatus and instruments (9)

SUNDIAL, 783,147, by Rank Precision Industrics, Ltd., London, W.1.

For photographic apparatus and instruments and parts and fittings (9)

AGEMAT, 783,877, by Agfa, A.G., Leverkusen, Germany.

For photographic, optical, measuring and signalling apparatus and instruments; scientific and electrical apparatus and instruments and parts (9)

PEGRA, 785,034, by Peter Gcoffrey Rabjohn, London, N.W.10.

For combs, sponges, brushes and materials prepared for brushmaking (21)

GRILUTEN, 769,153, RUDOGRIL, 769,161, GRINITEL, 769,169, by Veb Thüringisches Kunstfaserwerk "Wilhelm Pieck" Schwarza, Rudolstadt, Germany.

For toilet sets, and parts; and toilet powder

flasks, bottles (sold empty) and dispensing caps made of plastics for the aforesaid flasks and bottles (21)

SIDAPLAX, 778,383, by Sidaplax, S.A., Brussels, Belgium,

For brushes (21)

Device, 784,317, by Epro Products, Ltd., Newcastle-upon-Tync.

For food for animals and birds (31)

FITTEN, B782,396, by Petfoods, Ltd., Melton Mowbray, Leics,

From the "Trade Marks Journal," April 15

For ion-exchange materials, being chemical products for industrial use in the treatment of water and aqueous solutions (1)

IONEX, 782,531, by Permutit Co., Ltd., London, W.4.

For non-medicated toilet preparations, soaps, perfumes, cosmetics, hair lotions and dentifrices (3)

SAFARI, 782,782, by Rosmarine Manufacturing Co. (1954), Ltd., London, W.C.2, For perfumes packed in pressurised containers (3)

PERFUMATIC, 783,923, by Boots Pure Drug Co., Ltd., Nottingham.

For shampoos, hair lotions and preparations all for use in waving the hair and all containing milk or cream extract of milk (3)

JAMAL MILKWAVE, 784,087, by Sales Affiliates, Ltd., Boreham Wood, Herts.

For all goods (5)
ENPHYSAL, 779,949, by A. & G. Nicholas, Ltd., Slough, Bucks. AVOPRIN, 784,139, by May & Baker, Ltd., Dagenham, Essex. NIZOID, 785,082, by Wellcome Foundation, Ltd., London, N.W.1.

For pharmaceutical preparations for vaginal use (5) VESPRE, 780,940, by Ortho Pharmaeeutical Corporation, Raritan, New Jersey, U.S.A.

For pharmaceutical preparations and substances containing anæsthetics (5)

TRILOCAN, 781,495, by Allied Laboratories, Ltd., London, W.1.

For pharmaceutical preparations (5)

CHYMAR-ZON, 782,266, by Armour & Co., Chicago, Illinois, U.S.A. SYNATAN, 783,172, by Irwin Neisler & Co., Illinois, U.S.A. For all goods for internal human use (5)

BEBONA, 783,368, by Nestlé Co., Ltd., Hayes,

Midd!esex, For pharmaceutical preparations for use in the

relief of indigestion and the treatment of stomach acidity (5)

BINASIN, 782,753, by Cupal, Ltd., Blackburn, Lancs.

For chemical substances prepared for use in analytical tests of body fluids in medical diagnosis or treatment (5)

KETOSTIX, 783,668, by Ames Co., Inc., Elkhart, Indiana, U.S.A.

For preparatious for killing weeds and destroying vermin (5)

POMTERAL, 784,751, by Farbenfabriken Bayer, A.G., Leverkusen, Germany,

For cinematographic, photographic, sound recording and sound reproducing apparatus and instruments, etc. (9)

HEXACORD, 778,011, by Siemens & Halske, A.G., Munich, Germany.

WILLS

Mr. W. C. M. Bell, M.P.S., Crosslands, Hinckley Road, Earl Shilton, Leics, left £6,033 (£5,610 nct).

Mr. E. C. BENNISON, F.P.S., 74 Middle Park Road, Selly Oak, *Birmingham, left £22,445 (£22,277 net).

ALDERMAN T. P. DAVIES, M.P.S., Belvedere, Park Crescent, Llandrindod Wells, Radnorshire, lcft £6,163 (£5,189 net).

Mr. H. Dring, M.P.S., 12 Wellington Street, Feignmouth, Devon, left £16,421 (£16,322 net).

Mr. C. F. FARMER, M.P.S., 39 Halton Road, Spilsby, Lincs, left £21,134 (£15,724 net).

Mr. H. Geldard, M.P.S., D.Opt., 154 Manchester Road, Rochdale, left £15,452 (£15,088 net).

Mr. R. HITCHEN, M.P.S., 82 Queens Road, Accrington, Lancs, left £4,071 (£4,001 net).

Mr. H. LUCAS, F.P.S., 43 Charminster Road, Bournemouth, left £9,909 (£9,835 net).

MR. W. A. RICHMOND, M.P.S., 11 Irving Street, Bolton, Lanes, 1eft £957 (£896 net).

MR. R. C. STABLEFORD, M.P.S., 32 Seagry

Road, Wanstead, Essex, left £5,002 (£4,285 net). Mr. P. F. White, M.P.S., 143 Hadlow Road, Tonbridge, Kent, left £1,172 (£1,107 net).

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, May 4

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central library, Beekenham, at 8 p.m. Annual meeting followed by colour slides.

LONDON SECTION, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.I, at 6.30 p.m. Mr. E. L. Streatfield on "The 'Conveyor' Concept of Water in Industry," preceded by London section annual meeting.

SELF-SERVICE DEVELOPMENT ASSOCIATION, Grand hotel, Bristol, at 7.30 p.m. Mr. R. E. Smith on "Changing Over to Self-service."

Wednesday, May 6

Cambridge, Huntingdon Branch, Pharmaceuti-cal Society, Matthew's café, 14 Trinity Street, Cambridge, at 8 p.m. Annual meeting.

HORSHAM AND CRAWLEY BRANCH, NATIONAL PHAR-MACEUTICAL UNION, Black Dog, Northgate, Crawley, at 8 p.m. Miss D. Murgatroyd on "The Pricing Bureau and the Pharmacist."

Society For Analytical Chemistry, Chemical Society, Burlington House, Piecadilly, London, W.1, at 7 p.m. Meeting on "Experiment Design in Analytical Chemistry."

SWANSEA AND WEST GLAMORGAN BRANCH, PHAR-MACEUTICAL SOCIETY, Mackworth hotel, Swansea, at 7.45 p.m. Annual meeting.

Thursday, May 7

BIRMINGHAM BRANCH, NATIONAL PHARMACEUTICAL Union, Chamber of commerce, New Street, at 7.45 p.m. Annual meeting.

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Reading of papers. HARROGATE BRANCH, PHARMACEUTICAL Cairn hydro hotel, Ripon Road, at 8 p.m. Dr. F. E. Camps (Home Office) on "Poisoning—Accident, Suicide or Murder?"

LONDON UNIVERSITY, School of Hygiene and Tropical Medicine, Keppel Street, Gower Street. London, W.C.1, at 5.30 p.m. Dr. Fran-çois Jaeob (Institut Pasteur, Paris) on "Viruses in relationship with some genetic elements of the eell."

POLAROGRAPHIC SOCIETY, Duke of York, 8 Dering Street, London, W.I, at 7 p.m. Mr. J. Hetman on "Some Problems Encountered in Anodic Polarography."

READING BRANCH, PHARMACEUTICAL George hotel, at 8 p.m. Annual meeting.

Saturday, May 9

chool of Pharmacy, Brighton Technical College, Richmond Terraee, Brighton, 7, at 10 a.m. Symposium on "The Operation of Sterilising Autoclaves." SCHOOL OF

TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

May 10-16	London Midland North Scotland	Wales South N.E.
Alka-Seltzer	1 2 2 —	1 — 2
Amami wave set	$\frac{1}{3} = \frac{1}{3} = -\frac{1}{3}$	
Anadin	4 4 3 3	4 4 3
Andrews liver salt	2 2 2 2	2 2 3
Anne French	1 1 1	
Askit	12 ·	
Aspro	5 4 6 9	7 5 7
Beecham's pills	5 2 2 3	3 3 3
Beecham's powders	3 3 2 3	3 3 3
Bristow's shampoo	3 2 2 —	
Brylcreem		
Camay soap	1 2 2 2	2 2 5
Cephos	3	
Christy's lanoline face pack	3 3 3 3	2 2 2
Cooper's aerosols	2 2 2 2	2 2 2
Cutex lipstick	3 5 3 —	
Cuticura	3 — — —	
Dylon dyes	- 3 2 -	
Formula 21	3 4 3 3	3 3 3
Fynnon salts	1 1 1 1	1 1 2
Germolene	2 1 - 1	_ 2 2
Gibbs' S.R. tooth-paste		4 — —
Gillette razors and blades	1 1 1 1	1 1 1
Harlene hair tonic	_ 5 — —	
Hiltone	2 — — —	— 2 —
Immac	1 2 1 —	
Imperial Leather soap	- 1 1 -	
Ingram shaving cream	-3 - 3	— 3 3
Johnson's baby shampoo	_ 3	
Knight's Castile	8 8 8 — — 1 2 1	
Lanospray		1 1
Lucozade	41	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
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Max Factor preparations	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
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Remington Rollectric	4 4 6 3	6 3 3
Rennies	3 3 2 2	2 2 2
Ribena	1 1 1 —	$ \overline{1}$ $\overline{1}$
Robinade	4 3	
Robinson's lemon barley	-	
water	3 3 4 —	3 2 3
Sanmex	3	3
Setlers	4 3 3 —	3 7 3
Silvikrin hair cream .	9 3 2 10	7 8 2
Spun-gee perfumed .		- 1 -
Stratton sunglasses	1 1 1 —	
Sun Orange Quosh .	2 2 2 2	2 2 2
Suregrip house gloves .	1 1 2 2	2 2 1
Tangee lipstick	2 3 3 3	3 3 3
Tru-gcl	3 3 3 2	2 2 2
Valrosa		— 1 —
Vitapointe	2 2 — —	
Vosene	4 3 4 7	8 4 3
Yeast-Vite	- 1 1 -	
Zal	3 3 5 1	3 — —
	:	

PRINT AND PUBLICITY

Rooklets

New Ferry, nr. PRICE'S (BROMBOROUGH), LTD., New Ferry Birkenhead: Technical publication No. 3: Hydroxystearic acid." Pp. 14.

Price Lists

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: Geigy Medical Products-retail price list. Pp. 12.

Medical Propaganda Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists STRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: "Albucid" (leaflet), Geigy Pharmaceuticat Co., Ltd., Wythenshawe, Manchester, 23: "Butazolidin for the swift resolution of superficial phlebitis" (6-p. folder),



DISPLAY STAND: New window display stand produced for their French Fern products by Morny, Ltd., 22 Wadsworth Road, Perivale, Greenford, Middlesex.

"Dosulfin in paediatrics," "Tebafen for the treatment of tuberculosis" (4-p. folders), "Eurax" (blotter), "Folia Dermatoligica primary syphilis" (4-p. folder) and "secondary

mary sypnins (4-p. toluci) and secondary syphilis "(12-p. booklet).

GLAXO LABORATORIES, LTD., Greenford, Middlesex: "Canilin-D and Canilan-H.," "Crystapen V tablets and oral suspensions," "Grisovin," "Lepsolin," "Minadex," "NaClex," "Predsol suppositories" (information cards).

sol suppositories" (information cards).

Pharmaceutical Specialities (May & Baker),

Ltd., Dagenham, Essex: "A carrier of
bacillary dysentery—Thalazole and Streptotriad," "Rovamycin," "Sonergan—sedation
and hypnosis" (4-p. folders), "Sonalgin,"
"Penvikal" (information cards).

PRESS ADVERTISING

J. C. & J. FIELD, Ltd., Peru Street, Salford, Manchester: Field's talcum powder. In Woman, Woman's Own, Woman's Day, Woman's Illustrated and Woman's Realm.

RICHARD HUDNUT, LID., Eastleigh, Hants: Egg shampoo and Style. In women's magazines during May, June and July,

IMPERIAL CHEMICAL INDUSTRIES, LTD., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Ches: Savlon antiseptic cream. In Daily Express, Daily Mail, Daily Mirror, Daily Telegraph, Family Doctor, Mother and Baby and in provincial newspapers and women's magazines Savlon barrier cream. In Everywoman, Good Housekeeping, Housewife, Modern Woman, Wife and Home, Woman and Home, My Home, and in women's weekly magazines.

IEYES-IBCO SALES, LTD., River Road, Barking, Essex; Ieypine, In Daily Express, Daily Mirror, News of the World, Woman's Own, Woman's Sunday Mirror, Woman's Weekly, Good Housekeeping and Wife and Home.

LAMBERT CHEMICAL Co., LTD., Eastleigh, Hants: Bliss. In women's magazines during May, June and July.

LILIA-WHITE (SALES), LTD., 256 Old Street, London, E.C.1: Lillets. In Woman and Woman's Own.

F. C. PATON (SOUTHPORT), LTD. (distributors: THORNTON & ROSS, LTD., Huddersfield): THORNTON & ROSS, LTD., Huddersfield): Paton's dental ointment. In Sunday Express, etc.

POTTER & CLARKE, LTD., River Road, Barking, Essex: Antasma tablets. In True Story, True Romances, Woman's Illustrated, Woman's Realm, Woman's Day and Woman's Mirror.
RONSON PRODUCTS, LTD., 352 Strand, London,

W.C.2: Ronson standard and super-trim electric shavers in national Press during May and June.

S.HOLL MFG. Co., LTD., 182 St. Iohn Street, London, E.C.1: Scholl Nylastick. In leading women's journals and the medical journals.

Scott & Bowne, Ltd., 50 Upper Brook Street, London, W.1: Ice Blue Aqua Velva, In Daily Express, Daily Mirror and Sunday Express during May to September, Murine. In Daily Express, Daily Mirror, Woman, Woman's Own, Woman's Weekly, Woman's Realm, Woman's Day and Woman's Illustrated from May to October.

THOMPSON & CAPPER, LTD., Liverpool, 24:
Parador air freshener. In Woman, Woman's
Own, Woman's Illustrated, Woman's Day,
Woman's Weekly, Woman's Realm, Woman
and Home, My Home, Wife and Home, Flush. In women's magazines and Daily Express,

WALLACE CAMERON & Co., LTD., 83 West Regent Street, Glasgow, C.2: Ultraplast alginate first-aid dressings. In Sunday Express.

C. & D. WEEKLY LIST OF PRICES A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *=Tax 25 per cent.; ‡=Tax 50 per cent.

G. D. SEARLE & CO., LTD. [corrected note] Enavid tablets . Each I.R.P. 10 mgm. 250 404 0 606 0 NEW PRODUCTS AND PACKS J. & E. ATKINSON, LTD. perfumes, Lightheart, Bal des Fleurs‡ handbag size BIOMETICA, LTD. Doz 2 0 Biometica antiseptic cream THE BRITISH DRUG HOUSES, LTD. Cobadex 0.5 per cent. 10 gm. Each 3 10 6 4 CIBA LABORATORIES, LTD. Esidrex tablets*
50 ingm. 90 500 Millicorten tablets 0.5 mgm. 555 57 216 500 1 mgm. 100 COLIBRI HYGIENE, LTD. 1 8 2 4 Klcen Kat WYNLIT LABORATORIES, LTD. (distributors, SAVORY & MOORE, LTD.) COOPER, McDOUGALL & ROBERTSON, Cooper's push-button gar-den spray

D. & W. GIBBS, LTD.		
Gloria shampoo sachet		8
bottle	2	0
S.R. tooth-paste "push- button"	6	9
TO THE RESERVE OF THE PARTY OF		
MERCK SHARP & DOHME, LTD.		
Daranide tablets*	70	0
50 mgm. 100 40 0	31	6
Codesol injection 2 mils 21 0	31	U
STREET LABORATORIES LTD		
ORGANON LABORATORIES, LTD.		
Oradexon tablets 30 24 0		
100 76 0		
500 370 0		
300 370 0		
PARKE, DAVIS & CO., LTD.		
Chloromycetin succinate		
equivalent to 1 gm.		
Chloromycetin vial	17	0
REVLON INTERNATIONAL CORP	ORA	TION
Hi and Dri roll-on deodorant	7.	6
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SPONCEL, LTD. Doz.	- 2	5
Bubbly sponge* 16 8		3
STAYNE LABORATORIES, LTD.		
Stavcept jelly tube 36 0	4	6
cream tube 36 0	4	6
cream tube 50 0		_
THAWPIT, LTD.		
Coliclean	2	6
Concioni		

15 mils

DermaPhytex*

9 4

THE ADVERTISEMENT BELOW WILL APPEAR IN "TV TIMES" 17123" MAY

BUY AN NANNY?



ORDER NOW FROM YOUR WHOLESALER

"Perfection in Protection"

SYLVIA SANITARY TOWELS REDUCED PRICES

FROM APRIL 13th, 1959

MATERNITY 3 Size 2 0 **PADS** 30/9 Trade 18/6 20/-23/9 29/9 dozen packets 3/9 Suggested Retail 2/-2/2 2/7 3/3 per packet

7 dozen packets assorted less 6d. per dozen packets.

THE REDUCTION IN TRADE PRICES OPERATES FROM APRIL 13th, 1959, BUT RETAIL PRICES ARE BEING HELD UNTIL JUNE 1st NEXT AT EXISTING LEVELS, i.e.—

 Size
 0
 I
 2
 3
 MATERNITY PADS

 Retail
 2/I
 2/4
 2/10
 3/6
 3/II per packet

Cixson, Gerrarde Ca. Ltd OLDBURY, BIRMINGHAM

BROadwell 1355

Extra big spaces this month will turn millions of male heads to the LOXENE Medicated Hair Cream message "everything the best hair cream can give you plus freedom from dandruff"

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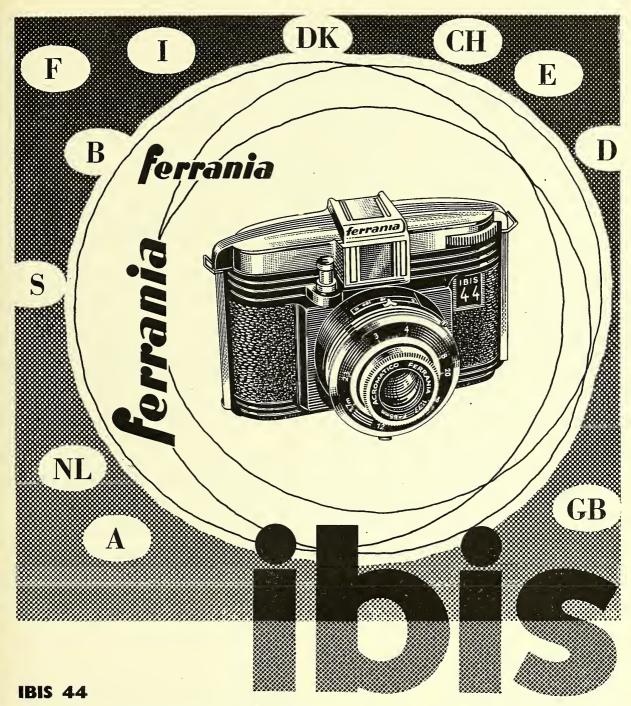
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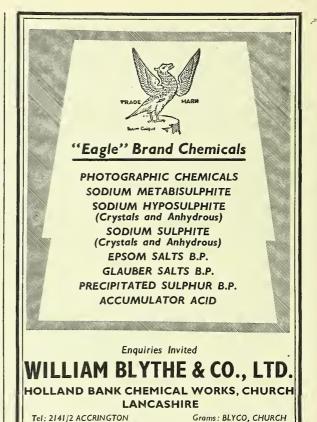
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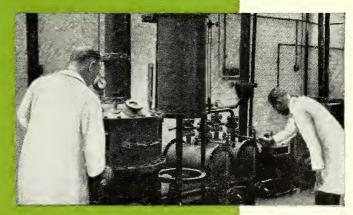


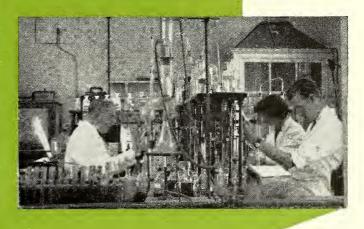
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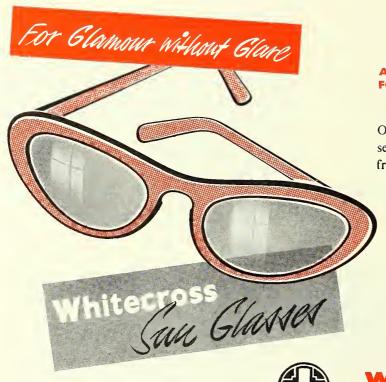
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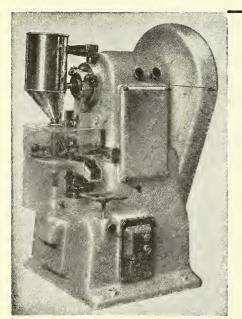
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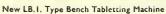


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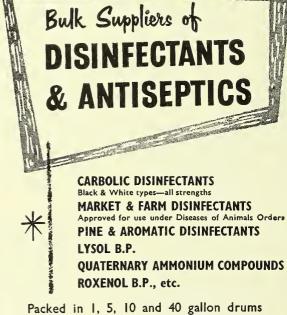


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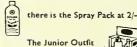
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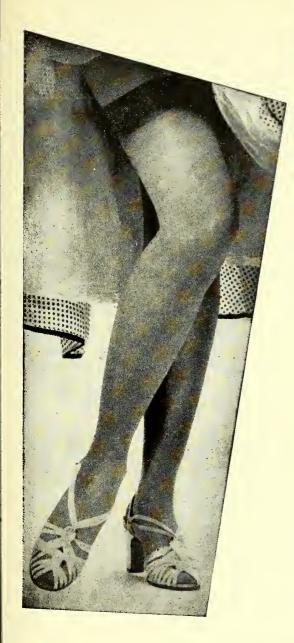
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C 9230

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(Category III Hospital)

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Deputy Chief Pharmacist and Pharmacist
required as soon as possible. Duties of Deputy
include supervision of Department and sterile
production. Salary scales—Deputy Chief Pharmacist £755—£1,030; Pharmacist £605—£815.
State particulars, naming two referees, in application to Administrator. C 9240

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1 Seuior Pharmacist

A vacancy exists from May 4, Salary according to experience. Write, giving the names of two referees to Chief Pharmacist. C 9150

SELLY OAK HOSPITAL, **BIRMINGHAM, 29**

Locum Pharmacist
for a period of three months, June to August.
Experienced supporting staff, Salary 16 guineas
per week. Apply to Administrator. C 9241

ST. BARTHOLOMEW'S HOSPITAL,

HOSPITAL,
LONDON, E.C.1
Pharmacist

A vacancy exists from May 4 for a basic grade
Pharmacist. Salary according to experience.
Write, giving the names of two referees, to
Chief Pharmacist. C 9160

Chief Pharmacist.

ST. THOMAS' HOSPITAL,
LOCUM Pharmacists
Two required from June 8 for approximately eighteen weeks. 16 gns. per week. Apply C 451

ST. JOHN'S HOSPITAL, KEIGHLEY

Locum Pharmacist
required immediately, Salary £16 16s, per week,
Residential accommodation available for
females. Applications to Group Secretary,
C 9214 Residential

ROYAL EYE HOSPITAL, ST. GEORGE'S CIRCUS,

LONDON, S.E.1
Locum Assistant-in-Dispensing
required from August 10 to 22, 1959, Apply to
Secretary, Tel.: Waterloo 4477, C 459

ST. JOHN'S HOSPITAL.

ST. JOHN'S HILL, S.W.11 Locum Pharmacist
From mid-May, 1959. Apply, Hospital Sccretary, naming two referees. C 9239

ST. BERNARD'S HOSPITAL,

SOUTHALL, MIDDLESEX
Assistant-in-Dispensing
required. Permanent, pensionable, N.H.S. salary
scales. Applications, giving age, experience, and
names of two referees to Group Secretary.

THE GENERAL HOSPITAL, DEWSBURY, YORKS Pharmacist

required immediately for modern department in a Category 111 hospital, Post offers good experience including small-scale manufacturing. Accommodation for single person can be

Accommodation for single person can be arranged, if required.

Applications giving age, experience and qualifications, together with the names and addresses of two referees to be sent, as soon as possible, to the Administrative Officer at the hospital.

TOOTING BEC HOSPITAL, TOOTING BEC ROAD, S.W.17 Locum Pharmacist

required for two weeks from June 8, 1959. Salary by arrangement. Accommodation can be made available in the Male or Female resident homes, at moderate cost if required, Apply to the Chief Pharmacist. C 460

WARRINGTON AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE, WARRINGTON GENERAL

HOSPITAL
Pharmaccutical Student
Applications are inv.ted for a Post-graduate
Student required at Warrington General Hospital, This post offers excellent opportunity for experience in all branches of pharmaccutical work

experience in all brailines of plantacework. Salary £400 per annum, Applications stating age, particulars of education, etc., should be sent to the undersigned, together with names of two referees. Henry L. Boot, Group Secretary, c/o General Hospital, Lovely Lane, Warrington. C 9231

WINWICK & NEWCHURCH HOSPITAL MANAGEMENT COMMITTEE

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in the Group Pharmaceutical Department at Winwick Hospital (2,305 beds). Salary £675—£865. Applications giving date of birth, full particulars regarding qualifications, and experence together with names and addresses of two referees should be forwarded to the Secretary (Ref.: C&D/122), Winwick Hospital, Warrington C 9153

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PHOTOGRAPHIC ASSISTANT (male), required by E, Moss, Ltd., for specialist photograph by branch (West Middlesex area), Applicants must have good technical photographic knowledge preferably with some experience of retail trade (not necessarily photographic). Good commencing salary with prospects for improvement and advancement. Superannuation scheme in operation. Existing holiday arrangements honoured, State age, previous exeprience, etc., and when available for interview if required, to Mr. H. Moss, c/o E. Moss, Ltd., Fern Grove, Feltham, Middlesex. C 2231

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WOLVERHAMPTON, F. 1. Gibson, Ltd., 93 Darlington Street, have vacancy for assistant pharmacist. The position would be ideal for a young chemist desirous of obtaining first-class experience in a heavy dispensing business well known in the area, Applications should be forwarded to the Managing Director, Mr. A. Warburton, Ph.C., at the address stated Telephone: Wolverhampton 23067. C 9216

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AYRTON, SAUNDERS & CO., LTD., require a pharmacist for analytical and research work—preferably with some experience. The applicant will be encouraged to work for A.R.I.C. if not already so qualified, Five-day week; pension scheme, Full details of age, qualifications and experience in writing to: Technical Director, 34 Hanover Street, Liverpool, 1. C 9200

APPLICATIONS are invited for the position of veterinary representative covering the London postal districts and parts of Essex, Kent, Surrey and Middlesex, The position would suit a keen, young representative desiring to further a career in the veterinary sales field, Applicants must reside on territory. Remuneration by salary at commencement, Car provided, Apply in writing to Sales Manager, Willows Francis, Ltd., 73 and 75 Shacklewell Lane, Dalston, E.8,

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Fullest details, including education and experience, should be sent to the Export Sales Manager, CIBA Laboratories Limited, Horsham, Sussex, England. C 9223

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Applications are, therefore, invited in confidence from gentlemen who are experienced in medical detailing and who would be interested in handling products which can be considered definite contributions to medical science.

Applicants—aged 23 to 40, with the background of a good general education—who are prepared to work really hard within a progressive organisation—should write, enclosing photograph and giving full details, to the Sales Director.

C 9234

ORDER CLERKS. The British Drug Houses Ltd., require clerks with a sound knowledge of ethical and proprietary medicines for telephone order and pricing work, Applicants should have experience in the wholesale distribution trade, Five-day week, canteen, Apply in writing stating age, experience and salary required to the Staff Manager, Graham Street, City Road, N.1.

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REPRESENTATIVE for Dorset, Wiltshire and Somerset to call on retail chemists, etc., required by well-known manufacturer of nationally advertised toilet products. Age not over 40, Remuneration by salary, commission and expenses. Company car provided. Superannuation scheme, Send details of age, education, experience and present earnings to Box C 9218.

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C 920

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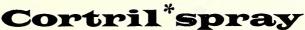
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